

ExxonMobil
Refining & Supply Company
Global Remediation
4096 Piedmont Avenue #194
Oakland, California 94611
510.547.8196
510.547.8706 Fax
jennifer.c.sedlachek@exxonmobil.com

Jennifer C. Sedlachek
Project Manager



April 20, 2005

Mr. Jim Tischler
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403

RE: Former Exxon RAS #7-0276/1400 Farmers Lane, Santa Rosa, California.

Dear Mr. Tischler:

Attached for your review and comment is a copy of the letter report entitled *Work Plan for Shallow Soil and Groundwater Investigation Soil*, dated April 20, 2005, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details proposed activities at the subject site.

Please call or email me if you would like to emend this document.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Sedlachek".

Jennifer C. Sedlachek
Project Manager

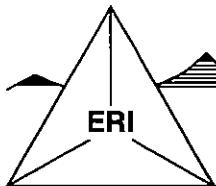
Attachment: ERI's Work Plan for Shallow Soil and Groundwater Investigation Soil, dated April 20, 2005.

cc: w/ attachment

Mr. Joseph A. Aldridge, Valero Energy Corporation
Mr. Paul Lowenthal, City of Santa Rosa Department

w/o attachment

Mr. James F. Chappell, Environmental Resolutions, Inc.



ENVIRONMENTAL RESOLUTIONS, INC.

April 20, 2005
ERI 203405.W08

Ms. Jennifer C. Sedlachek
ExxonMobil Refining & Supply-Global Remediation
4096 Piedmont Avenue #194
Oakland, California 94611

Subject: Work Plan for a Shallow Soil and Groundwater Investigation, Former Exxon Service Station 7-0276, 1400 Farmers Lane, Santa Rosa, California.

Ms. Sedlachek:

At the request of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) prepared this work plan for the subject site. This work plan was prepared in response to a letter from the California Regional Water Quality Control Board, North Coast Region (Regional Board), dated February 16, 2005, and a subsequent meeting held at the Regional Board Office on March 16, 2005. A meeting summary was provided to the Regional Board in a letter dated March 22, 2005. Copies of the letters are presented in Attachment A.

This work plan proposes to assess shallow soil and groundwater in the vicinity of the existing underground storage tanks (USTs), fuel dispensers, and the off-site area near groundwater monitoring well MW10 and boring GP5. The purpose of this investigation is to evaluate potential primary and secondary sources of petroleum hydrocarbons to groundwater on site and downgradient from the site.

BACKGROUND

The site is located on the southeastern corner of Farmers Lane and Hoen Frontage Road in Santa Rosa, California, as shown on the Site Vicinity Map (Plate 1). The locations of the existing underground storage tanks (USTs), dispenser islands, groundwater monitoring wells, and other select site features are shown on the Generalized Site Plan (Plate 2). Properties in the vicinity of the site are occupied by commercial developments.

Texaco Oil Company originally operated the station. ExxonMobil acquired the station and facilities in 1988, and transferred ownership to Valero Refining Company in June 2000.

The site currently has 11 on-site groundwater monitoring wells (MW1 through MW9, MW16, and MW17), seven off-site groundwater monitoring wells (MW10 through MW15 and MW18) one groundwater recovery well (RW1A), and four UST observation wells (TP1, TP2, MW4A, MW5A). Monitoring wells MW1 through MW14, MW4A, and MW5A are screened across the coarse-grained sediment layers within the upper water-bearing zone. Monitoring wells MW16 through MW18 are screened across deeper coarse-grained sediment layers within the upper water-bearing zone. The well locations are shown on Plate 2.

ENVIRONMENTAL ASSESSMENT SUMMARY

Environmental assessment activities were initiated at the site in 1988 by Texaco Oil Company. In 1998, ExxonMobil initiated environmental assessment activities at the site. Historic site assessment activities are summarized below in the following section.

June 1988	Wells MW1 through MW6 installed. Groundwater monitoring and sampling initiated.
August 1988	Wells MW7 through MW12 installed.
April 1990	Wells MW13 and MW14 installed.
November 1990	Product lines and dispensers replaced; approximately 30 cubic yards of soil removed from beneath the north dispenser island.
February 1991	Well RW1 installed.
March 1991	Constant-discharge groundwater pumping test conducted.
November 1995	Air sparge (AS) and groundwater recovery remediation system started.
September 1997	AS and groundwater recovery remediation system shut down.
August 1998	Two-day soil vapor extraction pilot test conducted.
June 2000	Well MW15 installed; soil boring B17 advanced.
November 2000	Sensitive receptor survey (SRS) performed.
October 2001	Direct-push soil borings GP1 through GP6 advanced off site in the area near well MW10; borings GP7 and GP8 advanced on site.
November 2001	Soil boring B16 advanced off site.
December 2001	Soil boring B18 advanced off site.
August 2003	Groundwater recovery well RW1 destroyed by overdrilling and replaced with groundwater recovery well RW1A.
October 2003	Wells MW16 and MW17 installed. 24-hour dual-phase extraction pilot test conducted.
October 2004	Well MW18 installed.
December 2004	Natural attenuation parameter investigation conducted.

SITE GEOLOGY AND HYDROGEOLOGY

Based on the results of previous assessment activities, the site and vicinity are underlain by a heterogeneous mixture of sand, silt, clay, and gravel from ground surface to 60 feet below ground surface (bgs), the maximum depth explored.

Groundwater beneath and in the vicinity of the site occurs under semi-confined conditions to the maximum depth explored. The depth to groundwater beneath and in the vicinity of the site has historically ranged between approximately 0 to 11 feet bgs. The predominant groundwater flow direction is towards the west.

Based on the results of previous assessment activities, the following water-bearing units beneath the site have been identified: (1) sand and gravel from ground surface to 10 feet bgs; (2) sand and gravel from approximately 10 to 25 feet bgs; (3) gravel grading to silty sand at approximately 31 to 36 feet bgs; and (4) silty sand and clayey sand encountered from approximately 36 feet bgs to 60 feet bgs.

SITE CONDITIONS

Groundwater

Analyses of groundwater samples collected from the wells indicate the presence of dissolved fuel hydrocarbons, and related constituents including total petroleum hydrocarbons as diesel (TPHd); total petroleum hydrocarbons as gasoline (TPHg); benzene, toluene, ethylbenzene, and total xylenes (BTEX); and methyl tertiary butyl ether (MTBE). Cumulative groundwater monitoring and sampling data are summarized in Table 1A and Table 1B.

Soil

During previous investigations, TPHd, TPHg, BTEX, and MTBE have been detected in soil samples from the site. Petroleum hydrocarbon impacted soil exists from 3 to 15 feet bgs. The soil however has been intermittently submerged up to 0 feet bgs as discussed in the previous section of this report. Soil sample results are presented in Table 2A and 2B and are presented on Plate 3.

PROPOSED INVESTIGATION

The proposed investigation is designed to evaluate the extent and concentration of residual petroleum hydrocarbons on site in the vicinity of the existing USTs and fuel dispensers, and off-site near monitoring well MW10 and soil boring GP5. The extent and concentration of residual petroleum hydrocarbons will be used to evaluate the presence of potential primary and secondary sources of dissolved phase hydrocarbons in groundwater in these locations. ERI and the drilling contractor will perform fieldwork in accordance with this work plan, ERI's Field Protocol (Attachment B), and a site-specific health and safety plan. ERI will perform the tasks described in the following subsections.

Task 1: Shallow Soil and Groundwater Grab Sampling

Seven soil borings will be advanced on site downgradient of the existing USTs and fuel dispensers, and four soil borings will be advanced off site in the vicinity of MW10 to collect shallow soil and grab groundwater samples for chemical analysis. The proposed soil boring locations are shown on Plate 2.

As part of the soil boring activities, ERI will:

- Prepare an application and obtain a permit from the County of Sonoma Department of Health Services (the County), to advance seven on-site hand augered soil borings (HA1 through HA7) and four off-site hand-augered soil borings (HA8 through HA11).
- Negotiate and execute an encroachment permits and access agreement, if necessary, with the California Department of Transportation (Caltrans), for the off-site work near MW10.
- Contact the property owner(s), mark the boring locations, and contact Underground Service Alert (USA) at least 48 hours before fieldwork begins and upon receipt of the approved soil boring permits.
- Obtain the services of a private utility locator to clear the borehole locations of utilities and contract with a saw cutter to remove any asphalt or concrete surface cover at each borehole.
- Obtain the services of a licensed well driller and observe the advancement of seven on-site borings (B19 through B25) and four off-site borings (B26 through B29) using a hand auger or similar tool.

The borings will be hand cleared using a hand auger and probe. Soil borings will be advanced to a maximum depth of approximately 5 feet bgs.

- Collect and visually examine soil samples from each boring to construct a boring log, and screen select samples with a photo-ionization detector (PID). Soil samples will be identified using visual and manual methods, and classified according to the Unified Soil Classification System (USCS). One soil sample will be collected from each borehole with in acrylic or similar core lining placed within the sampling tool and submitted to a laboratory for analysis. Soil from above and below the desired sampling depth will be tested with the PID. Discolored or odoriferous sections of the soil cuttings will also be tested with the PID regardless of position. In borings with evidence of residual hydrocarbons, an additional soil sample will be submitted for laboratory analysis, based on field observation by ERI's geologist. Soil samples submitted for laboratory analysis will be collected using methods in accordance with EPA Method 5035.
- Collect grab groundwater samples from first-encountered groundwater. Install a temporary polyvinyl chloride (PVC) well screen to facilitate grab groundwater sampling. Collect grab groundwater samples using a bailer. Upon completion of sampling, the borehole will be grouted with neat cement and the surface will be restored to match the surrounding ground surface.
- Submit soil and groundwater samples collected from the soil borings to a California state-certified analytical laboratory, under Chain-of-Custody protocol. Samples will be submitted for analysis for TPHd and TPHg using EPA Method 8015B, and BTEX, fuel oxygenates (MTBE, tertiary butyl alcohol [TBA], tertiary amyl methyl ether [TAME], ethyl tertiary butyl ether [ETBE], and di-isopropyl ether [DIPE]), and lead scavengers (1,2-dichloroethane [1,2-DCA] and 1,2-dibromoethane [EDB]) and ethanol, using EPA Method 8260B.
- Interpret field and laboratory data.

Task 2: Report Preparation

ERI will prepare a report documenting the results of the shallow soil and groundwater investigation. The report will describe field and laboratory methods; results of laboratory analyses of soil and groundwater samples; and ERI's findings, conclusions, and recommendations for additional work, if any within 60 days of the completion of the field work. Within 30 days following the submittal of the of this field investigation report an Addendum to the Corrective Action Plan will be submitted.

ERI will notify the Regional Board in writing of any delays associated with acquisition of off-site access agreements or encroachment permits. If delays in off-site access negotiations are incurred, ERI will initiate the on-site work independently.

DOCUMENT DISTRIBUTION

ERI recommends that a signed copy of this Work Plan be forwarded to the following:

Mr. Jim Tischler
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403

Mr. Paul Lowenthal
City of Santa Rosa Fire Department
955 Sonoma Avenue
Santa Rosa, California 95404

Mr. Joseph A. Aldridge
Valero Energy Corporation
685 West Third Street
Hanford, California 93230

LIMITATIONS

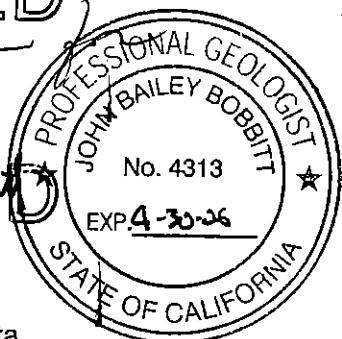
This report was prepared in accordance with generally accepted standards of environmental practice in California at the time this investigation was performed. This report has been prepared for ExxonMobil, and any reliance on this report by third parties shall be at such party's sole risk.

Please contact Mr. Jim F. Chappell, ERI's interim project manager for this site, at (707) 766-2000 with any questions regarding this Work Plan.

Sincerely,
Environmental Resources, Inc.

Jim F. Chappell
Project Manager

SCANNED IMAGE



- Attachments:
- | | |
|-----------|--|
| Table 1A: | Cumulative Groundwater Monitoring and Sampling Data |
| Table 1B: | Additional Cumulative Groundwater Monitoring and Sampling Data |
| Table 2A: | Cumulative Soil Sampling Data |
| Table 2B: | Additional Cumulative Soil Sampling Data |
| Plate 1: | Site Vicinity Map |
| Plate 2: | Generalized Site Plan |
| Plate 3: | Residual Hydrocarbon Concentrations |

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 1 of 15)

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 2 of 15)

Well ID #	Sampling	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE (8015-8021B)	MTBE (8026B)	B	T	E	X
(TOC)	Date		<--feet-->	<--			g/L	g/L				
MW2 (cont.)	04/25/89	NLPH	3.54	197.97	—	ND	—	—	ND	ND	ND	ND
(201.51)	07/26/89	NLPH	4.48	197.03	—	ND	—	—	ND	ND	ND	ND
	10/24/89	NLPH	3.85	197.66	—	ND	—	—	ND	ND	ND	ND
	12/18/89	NLPH	4.32	197.19	—	—	—	—	—	—	—	—
	01/26/90	NLPH	3.88	197.63	—	ND	—	—	ND	ND	ND	ND
	02/18/90	NLPH	3.40	198.11	—	—	—	—	—	—	—	—
	03/13/90	NLPH	3.51	198.00	—	—	—	—	—	—	—	—
	04/19/90	NLPH	4.14	197.13	—	ND	—	—	—	—	—	—
	07/26/90	NLPH	—	—	—	<1	—	—	ND	ND	ND	ND
	10/11/90	NLPH	—	—	—	<1	—	—	<0.3	<0.3	<0.3	<0.6
	04/23/91	NLPH	—	—	—	<50	—	—	<0.3	<0.3	<0.3	<0.6
	07/25/91	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	10/03/91	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/20/92	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	04/30/92	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	11/02/92	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	12/07/92	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	03/29/93	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/26/93	NLPH	—	—	—	<50	—	—	1.6	<0.5	0.9	2.8
	01/19/94	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/25/94	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/26/95	NLPH	—	—	330	78	—	—	<0.5	<0.5	<0.5	0.53
	07/26/95	NLPH	—	—	56	<50	—	10,000	<0.5	<0.5	<0.5	<0.5
	01/18/96	NLPH	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/16/97	NLPH	3.25	198.26	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	04/21/97	NLPH	3.48	198.03	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/09/97	NLPH	4.07	197.44	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	10/27/97	NLPH	4.12	197.39	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	03/25/98	NLPH	2.47	199.04	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	06/11/98	NLPH	2.81	198.70	—	<50	—	—	<0.5	<0.5	<0.5	1.1
	09/10/98	NLPH	3.52	197.90	87	<50	—	—	<0.5	<0.5	<0.5	<0.5
	12/15/98	NLPH	3.09	198.33	—	—	—	—	—	—	—	—
	03/09/99	NLPH	2.48	198.94	—	—	—	—	—	—	—	—
	6/28/99a	NLPH	3.35	198.07	—	—	—	—	—	—	—	—
	09/21/99	NLPH	3.54	197.88	<50	<50	—	3.22	—	—	—	—
	12/27/99	NLPH	3.91	197.51	—	—	—	—	—	—	—	1.44
	03/27/00	NLPH	2.91	198.51	—	—	—	—	—	—	—	—
	06/13/00	NLPH	3.31	198.11	<50	<50	<2	—	<0.5	0.68	<0.5	<0.5
	06/16/00	Property transferred to Valero Refining Company						—	—	—	—	—
	09/21/00	NLPH	3.67	197.75	82	<50	12	—	<0.5	0.55	<0.5	0.64
	12/27/00	NLPH	3.79	197.63	60e	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	03/26/01	NLPH	3.24	198.18	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	06/29/01	NLPH	3.58	197.84	52	<50	7.4	10	<0.5	<0.5	<0.5	<0.5
	09/24/01	NLPH	3.97	197.45	<50	<50	1,900	2,100	<0.5	<0.5	<0.5	<0.5
	11/1/0001	Well surveyed in compliance with AB 2886 requirements.						—	—	—	—	—
	12/26/01	NLPH	2.42	199.00	56i	<50	430	420	<0.5	<0.5	<0.5	<0.5
	03/26/02	NLPH	3.31	198.06	<50.0	<50.0	3.60	4.5	<0.50	<0.50	<0.50	<0.50
	06/24/02	NLPH	3.40	197.97	71 k	<50	54.8	40.8	<0.5	<0.5	<0.5	<0.5
	09/23/02	NLPH	3.54	197.83	54	<50.0	23.0	26.1	<0.5	<0.5	<0.5	0.7
	12/31/02	NLPH	2.11	199.26	<50	<50.0	13.0	12.9	<0.5	<0.5	<0.5	<0.5
	03/28/03	NLPH	3.03	198.34	<50	<50.0	5.1	3.10	<0.50	<0.5	<0.5	0.8
	06/05/03	NLPH	3.07	198.30	<50	<50.0	4.6	8.20	<0.50	<0.5	<0.5	<0.5
	09/09/03	NLPH	3.38	197.99	<50	<50.0	3.0	3.30	<0.50	<0.5	<0.5	<0.5
	12/01/03	NLPH	3.52	197.85	<50	<50.0	5.1	4.80	<0.50	<0.5	<0.5	<0.5
	03/23/04	NLPH	3.08	198.29	<50	<50.0	—	3.50	<0.50	1.3	<0.5	<0.5
	06/16/04	NLPH	3.60	197.77	<50	<50.0	2.3	2.5	<0.50	<0.5	<0.5	<0.5
	09/15/04r	NLPH	3.75	197.62	<50	<50.0	—	2.30	<0.50	<0.5	<0.5	<0.5
	12/15/04	NLPH	3.37	198.00	<50	<50.0	—	3.40	<0.50	<0.5	<0.5	<0.5
	03/16/05	NLPH	3.07	198.30	<50	<50.0	—	2.40	<0.50	<0.5	<0.5	<0.5
MW3	06/22/88	NLPH	0.70	198.54	—	42,000	—	—	1,800	total BTEX		
(199.24)	09/02/88	NLPH	2.37	198.87	—	—	—	—	—	total BTEX		
	01/26/89	NLPH	0.74	198.50	—	35,000	—	—	10,000	total BTEX		
	03/27/89	NLPH	0.00	199.24	—	—	—	—	—	total BTEX		
	04/25/89	NLPH	6.60	192.64	—	39,000	—	—	14,000	total BTEX		
	07/26/89	NLPH	0.68	198.56	—	21,000	—	—	6,400	total BTEX		
	10/24/89	NLPH	—	—	—	33,000	—	—	11,000	total BTEX		
	12/18/89	NLPH	0.27	198.97	—	—	—	—	—	total BTEX		
	01/26/90	NLPH	0.05	199.19	—	29,000	—	—	13,000	total BTEX		
	02/18/90	NLPH	0.00	199.24	—	—	—	—	—	total BTEX		
	03/13/90	NLPH	0.00	199.24	—	—	—	—	—	total BTEX		

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 3 of 15)

Well ID #	Sampling	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE (8015-8021B)	MTBE (8026B)	B	T	E	X
(TOC)	Date		<----feet----->				<-----g/L----->					
MW3 (cont.)	04/19/90	NLPH	0.28	198.96	—	8,820	—	—	25,000	total BTEX	—	—
(199.24)	07/26/90	NLPH	0.30	198.94	—	20,000	—	—	760	1,100	370	1,600
	10/11/90	NLPH	0.48	198.76	—	32,000	—	—	2,400	3,200	810	3,800
	04/23/91	NLPH	0.16	199.08	—	58,000	—	—	2,500	5,300	1,100	7,500
	07/25/91	NLPH	0.93	198.31	—	37,000	—	—	1,500	2,400	960	4,900
	10/03/91	NLPH	0.88	198.36	—	22,000	—	—	920	1,800	770	3,300
	01/20/92	NLPH	1.20	198.04	—	27,000	—	—	770	2,900	570	3,400
	04/30/92	NLPH	0.14	199.1	—	61,000	—	—	2,400	3,000	2,300	5,700
	11/02/92	NLPH	0.75	198.49	—	20,000	—	—	1,000	610	560	2,200
	12/07/92	NLPH	0.72	198.52	—	34,000	—	—	1,700	1,400	850	4,700
	03/29/93	Sheen	0.00	199.24	—	—	—	—	—	—	—	—
	07/26/93	NLPH	0.02	199.22	—	43,000	—	—	2,100	3,300	1,100	4,900
	08/24/93	Sheen	0.10	199.14	—	—	—	—	—	—	—	—
	09/22/93	NLPH	0.15	199.09	—	—	—	—	—	—	—	—
	10/06/93	Sheen	0.35	198.89	—	—	—	—	—	—	—	—
	11/08/93	Sheen	0.30	198.94	—	—	—	—	—	—	—	—
	12/07/93	Sheen	0.01	199.23	—	—	—	—	—	—	—	—
	01/19/94	NLPH	0.21	199.03	—	85,000	—	—	2,100	4,000	1,500	6,200
	07/25/94	NLPH	0.26	198.98	—	26,000	—	—	1,300	1,800	700	3,200
	01/26/95	Sheen	0.10	199.14	<500	34,000	—	—	1,000	1,000	840	3,200
	07/26/95	LPH	0.43	198.81	—	—	—	—	—	—	—	—
	01/18/96	NLPH	3.50	195.74	—	23,000	—	—	360	370	280	1,800
	01/16/97	NLPH	3.58	195.66	—	6,900	<600	—	77	120	56	1,900
	04/21/97	NLPH	3.37	195.87	—	13,000	480	170	82	220	320	3,400
	07/09/97	NLPH	3.48	195.76	—	9,100	<300	—	53	120	270	1,400
	10/27/97	NLPH	1.15	198.09	—	20,000	520	—	780	280	290	1,500
	03/25/98	NLPH	g	g	—	3,200	—	210	39	33	170	180
	06/11/98	NLPH	0.02	199.22	—	15,000	640	—	810	340	710	2,100
	09/10/98	NLPH	0.25	198.99	2,700	13,000	500	—	570	220	670	1,200
	12/15/98	NLPH	0.39	198.85	1,300	13,000	510	—	760	420	880	2,100
	03/09/99	NLPH	0.08	199.16	2,000	12,000	1,100	—	560	610	850	2,700
	06/28/99	NLPH	0.32	198.92	4,890	12,500	674	—	494	172	944	904
	09/21/99	Sheen	0.34	198.90	1,680b	9,630	668	—	384	136	761	554
	12/27/99	NLPH	0.85	198.39	920	11,000	1,100	—	510	320	1,100	914
	03/27/00	NLPH	0.32	198.92	1,700	8,500	2,600	—	300	210	940	875
	06/13/00	NLPH	0.25	198.99	1,200	7,700	2,000	1,300	370	160	940	350
	06/16/00	Property transferred to Valero Refining Company										
	09/26/00	NLPH	0.35	198.89	1,000	4,900	2,200	1,800	290	90	670	180
	12/27/00	NLPH	0.77	198.47	680e	7,600	9,200	8,700	300	180	650	335
	03/26/01	NLPH	0.35	198.89	1,100	6,500	14,000	15,000	190	190	510	475
	06/29/01	NLPH	0.33	198.91	830	9,200	11,000	7,500	250	150	930	188.6
	09/24/01	NLPH	0.81	198.43	1000i	5,300	10,000	11,000	190	57	370	57
	11/1/2001	Well surveyed in compliance with AB 2886 requirements.										
(199.21)	12/26/01	NLPH	0.25	-0.25	850i	6,400	2,400	2,600	150	120	530	302
	03/26/02	NLPH	0.55	198.66	1,090	7,870	1,500	2,134	230	230	708	678
	06/24/02	NLPH	0.40	198.81	1,360 k	5,890	788	772	191	74.0	450	125
	09/23/02	NLPH	0.43	198.78	870	5810	574	260	192	60.0	400	50.0
	12/31/02	NLPH	0.25	198.96	1,160	5,040	408	380	164	93.0	426	184
	03/28/03	NLPH	0.49	198.72	1,780	578	52.3	264	19.4	11.7	46.6	27.2
	06/05/03	NLPH	0.34	198.87	660	1690l	357	492	164	60.0	174	86.2
	09/09/03	NLPH	0.30	198.91	1,090	1,320	389	374	115	40.8	333	54.4
	12/01/03	NLPH	0.60	198.61	1,210	5,030	324	260.1	114	51.5	296	78.8
	03/23/04	NLPH	0.60	198.61	356	4,850	—	84.4	82.9	45.7	148	48.3
	06/16/04	NLPH	0.47	198.74	1,080	9,620	72.7	256	290	101	1,010	141
	09/15/04r	NLPH	0.46	198.75	<50	9,260	—	57.2	154	62.8	513	66.8
	12/15/04	NLPH	0.52	198.69	1,110i	4,380	—	43.2	86.0	55.6	225	114
	03/16/05	NLPH	0.51	198.70	858	5,580	—	41.9	108	54.5	172	91.4
MW4 (203.71)	06/22/88	NLPH	3.96	199.75	—	ND	—	—	ND	ND	ND	ND
	09/02/88	NLPH	5.79	197.92	—	---	—	—	—	—	—	—
	01/26/89	NLPH	3.60	200.11	—	ND	—	—	ND	ND	ND	ND
	03/27/89	NLPH	2.46	201.25	—	—	—	—	—	—	—	—
	04/25/89	NLPH	2.68	201.03	—	ND	—	—	ND	ND	ND	ND
	07/26/89	NLPH	3.94	199.77	—	ND	—	—	ND	ND	ND	ND
	10/24/89	NLPH	2.64	201.07	—	ND	—	—	ND	ND	ND	ND
	12/18/89	NLPH	3.05	200.66	—	—	—	—	—	—	—	—
	01/26/90	NLPH	2.67	201.04	—	ND	—	—	ND	ND	ND	ND
	02/18/90	NLPH	2.43	201.28	—	—	—	—	—	—	—	—
	03/13/90	NLPH	2.54	201.17	—	—	—	—	—	—	—	—
	04/19/90	NLPH	3.34	200.37	—	ND	—	—	ND	ND	ND	ND

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 4 of 15)

Well ID #	Sampling	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE (8015-8021B)	MTBE (8026B)	B	T	E	X
(TOC)	Date		feet					g/L				
MW4 (cont.)	07/26/90	—	—	—	—	—	<1	—	<0.3	<0.3	<0.3	<0.6
(203.71)	10/11/90	—	—	—	—	—	<1	—	<0.3	<0.3	<0.3	<0.6
	04/23/91	—	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5
	07/25/91	—	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5
	10/03/91	—	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5
	01/20/92	—	—	—	—	—	260	—	—	8.3	25	7.1
	04/30/92	—	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5
	11/02/92	—	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5
	12/07/92	—	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5
	03/29/93	—	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5
	07/26/93	—	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5
	01/19/94	—	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5
	07/25/94	—	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5
	01/26/95	—	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5
	07/26/95	—	—	—	—	—	50	<50	<10,000	—	<0.5	<0.5
	01/18/96	—	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5
	01/16/97	NLPH	2.50	201.21	—	—	<50	—	—	<0.5	<0.5	<0.5
	04/21/97	NLPH	3.26	200.45	—	—	<50	<30	—	<0.5	<0.5	<0.5
	07/09/97	NLPH	3.67	200.04	—	—	<50	<30	—	<0.5	<0.5	<0.5
	10/27/97	NLPH	3.31	200.40	—	—	<50	<30	—	<0.5	<0.5	<0.5
	03/25/98	NLPH	2.33	201.38	—	—	<50	—	—	<0.5	<0.5	<0.5
	06/11/98	NLPH	2.52	201.19	—	—	<50	<2.5	—	<0.5	<0.5	<0.5
	09/10/98	NLPH	2.94	200.74	74	—	<50	<2.5	—	<0.5	<0.5	<0.5
	12/15/98	NLPH	2.71	200.97	<50	—	<50	<2.5	—	<0.5	<0.5	<0.5
	03/09/99	NLPH	2.32	201.36	<50	—	<50	<2.5	—	<0.5	<0.5	<0.5
	06/28/99	NLPH	2.71	200.97	<50	—	<50	<2.5	—	<0.5	<0.5	<0.5
	09/21/99	NLPH	2.74	200.94	<50	—	<50	<2.5	—	<0.5	<0.5	<0.5
	12/27/99	NLPH	2.96	200.72	<100	—	<50	<2	—	<0.5	<0.5	<0.5
	03/27/00	NLPH	3.15	200.53	<50	—	<50	<2	—	<0.5	<0.5	<0.5
	06/13/00	NLPH	2.81	200.87	<50	—	<50	<2	—	<0.5	<0.5	<0.5
	06/16/00	Property transeered to Valero Refining Company										
	09/21/00	NLPH	2.99	200.69	<50	<50	<2	—	—	<0.5	0.56	<0.5
	12/27/00	NLPH	3.08	200.60	<50e	<50	<2	—	—	<0.5	<0.5	<0.5
	03/26/01	NLPH	2.60	201.08	<50	<50	<2	—	—	<0.5	<0.5	<0.5
	06/29/01	NLPH	2.47	201.21	120	<250	33,000	21,000	17	<2.5	<2.5	14
	09/24/01	NLPH	3.21	200.47	52i	<50	6.1	6	<0.5	<0.5	<0.5	<0.5
	11/1/00	Well surveyed in compliance with AB 2886 requirements.										
	12/26/01	NLPH	2.23	201.45	<50	<50	<2	—	—	<0.5	<0.5	<0.5
	03/26/02	NLPH	2.41	201.23	<50.0	<50.0	<2.00	0.9	<0.50	<0.50	<0.50	<0.50
	06/24/02	NLPH	2.63	201.01	92 k	<50	0.8	<0.50	—	<0.5	<0.5	<0.5
	09/23/02	NLPH	2.42	201.22	81	<50.0	<0.5	—	—	<0.5	<0.5	<0.5
	12/31/02	NLPH	2.10	201.54	<50	<50.0	<0.5	—	—	<0.5	<0.5	<0.5
	03/28/03	NLPH	2.47	201.17	<50	<50.0	<0.5	—	—	<0.50	<0.5	<0.5
	06/05/03	NLPH	2.53	201.11	<50	<50.0	<0.5	—	—	<0.50	<0.5	<0.5
	09/09/03	NLPH	2.62	201.02	<50	<50.0	<0.5	—	—	<0.50	<0.5	<0.5
	12/01/03	NLPH	2.52	201.12	133	<50.0	<0.5	—	—	<0.50	<0.5	<0.5
	03/23/04	NLPH	2.50	201.14	<50	<50.0	—	—	—	<0.50	<0.50	<0.5
	06/16/04	NLPH	2.78	200.86	<50	<50.0	—	—	—	<0.50	<0.50	<0.5
	09/15/04r	NLPH	2.81	200.83	<50	<50.0	—	—	—	<0.50	<0.5	<0.5
	12/15/04	NLPH	2.66	200.98	<50	<50.0	—	—	—	<0.50	<0.5	<0.5
	03/16/05	NLPH	2.54	201.10	<50	<50.0	—	—	—	<0.50	<0.5	<0.5
MW5	06/22/88	NLPH	1.06	199.56	—	20,000	—	—	7,900	total BTEX	—	—
(200.62)	09/02/88	NLPH	2.96	197.66	—	—	—	—	—	—	—	—
	01/26/89	NLPH	0.84	199.78	—	11,000	—	—	3,000	total BTEX	—	—
	03/27/89	NLPH	0.29	200.33	—	—	—	—	—	—	—	—
	04/25/89	NLPH	0.17	200.45	—	6,000	—	—	1,400	total BTEX	—	—
	07/26/89	NLPH	1.20	199.42	—	9,300	—	—	4,100	total BTEX	—	—
	10/24/89	NLPH	0.99	199.63	—	11,000	—	—	3,700	total BTEX	—	—
	12/18/89	NLPH	0.46	200.16	—	—	—	—	—	—	—	—
	01/26/90	NLPH	0.26	200.36	—	1,000	—	440	total BTEX	—	—	—
	02/18/90	NLPH	0.00	200.62	—	—	—	—	—	—	—	—
	03/13/90	NLPH	0.00	200.62	—	—	—	—	—	—	—	—
	04/19/90	NLPH	0.68	199.94	—	3,900	—	1,610	total BTEX	—	—	—
	07/26/90	NLPH	0.95	199.67	—	5,200	—	55	240	250	800	—
	10/11/90	NLPH	0.59	200.03	—	3,300	—	44	140	230	420	—
	04/23/91	NLPH	0.70	199.92	—	16,000	—	160	860	190	1,900	—
	07/25/91	NLPH	1.60	199.02	—	20,000	—	150	780	850	2,400	—
	10/03/91	NLPH	1.52	199.10	—	4,400	—	42	46	160	390	—
	01/20/92	NLPH	1.58	199.04	—	3,200	—	45	150	220	500	—

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 5 of 15)

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 6 of 15)

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 7 of 15)

Well ID #	Sampling	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE (8015-8021B)	MTBE (8026B)	B	T	E	X
(TOC)	Date		<----feet----->				g/L					
MW7 (cont.)	04/30/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
(205.59)	11/02/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	12/07/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	1.4
	03/29/93	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	06/16/93	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/26/93	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/19/94	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/25/94	—	—	—	—	—	—	—	—	<0.5	<0.5	<0.5
	01/26/95	—	—	—	—	—	—	—	—	—	—	—
	07/26/95	—	—	—	—	—	—	—	—	—	—	—
	01/18/96	—	—	—	—	—	—	—	—	—	—	—
	01/16/97	NLPH	3.96	201.63	—	—	—	—	—	—	—	—
	04/21/97	NLPH	4.13	201.46	—	—	—	—	—	—	—	—
	07/09/97	NLPH	5.40	200.19	—	—	—	—	—	—	—	—
	10/27/97	NLPH	5.45	200.14	—	—	—	—	—	—	—	—
	03/25/98	NLPH	3.61	201.98	—	<50	—	—	<0.5	<0.5	<0.5	0.58
	06/11/98	NLPH	3.96	201.63	—	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	09/10/98	NLPH	4.89	201.57	170	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	12/15/98	NLPH	4.59	201.87	<50	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	03/09/99	NLPH	3.65	202.81	58	<50	<2.5	—	<0.5	<0.5	<0.5	0.74
	06/28/99	NLPH	4.59	201.87	100	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	09/21/99	NLPH	4.6	201.86	<50	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	12/27/99	NLPH	5.25	201.21	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	03/27/00	NLPH	4.04	202.42	59	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	06/13/00	NLPH	4.77	201.69	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	06/16/00	Property transferred to Valero Refining Company					—	—	—	—	—	—
	09/21/00	NLPH	5.06	201.40	<50	<50	<2	—	<0.5	0.68	<0.5	<0.5
	12/27/00	NLPH	5.09	201.37	<50e	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	03/26/01	NLPH	4.43	202.03	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	06/29/01	NLPH	2.71	203.75	56	<50	7.3	112	<0.5	<0.5	<0.5	<0.5
	09/24/01	NLPH	5.29	201.17	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	11/1/2001	Well surveyed in compliance with AB 2886 requirements.					—	—	—	—	—	—
	12/26/01	NLPH	3.33	203.13	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	03/26/02	NLPH	4.31	202.11	<50.0	<50.0	<2.00	—	<0.50	<0.50	<0.50	<0.50
	06/24/02	NLPH	4.39	202.03	60 K	<50	<0.5	—	<0.5	<0.5	<0.5	<0.5
	09/23/02	NLPH	4.55	201.87	89	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	12/31/02	NLPH	2.72	203.70	<50	<50.0	0.5	—	<0.5	<0.5	<0.5	<0.5
	03/28/03	NLPH	3.99	202.43	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	06/05/03	NLPH	4.13	202.29	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	09/09/03	NLPH	4.35	202.07	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	12/01/04	NLPH	4.30	202.12	140	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	03/23/04	NLPH	4.06	202.36	<50	<50.0	—	—	<0.5	0.5	<0.5	<0.5
	06/16/04	NLPH	4.65	201.77	<50	<50.0	<0.50	—	<0.50	<0.5	<0.5	<0.5
	09/15/04r	NLPH	4.74	201.68	<50	<50.0	<0.50	—	<0.50	<0.5	<0.5	<0.5
	12/15/04	NLPH	4.36	202.06	<50	<50.0	—	—	<0.50	<0.5	<0.5	<0.5
	03/16/05	NLPH	4.08	202.34	<50	<50.0	—	—	<0.50	<0.5	<0.5	<0.5
MW8	08/12/88	—	—	—	—	ND	—	—	ND	ND	ND	ND
(199.16)	09/02/88	NLPH	6.87	192.29	—	—	—	—	—	—	—	—
	01/26/89	NLPH	2.16	197.00	—	52	—	—	ND	ND	ND	ND
	03/27/89	NLPH	0.46	198.70	—	—	—	—	10	total BTEX	—	—
	04/25/89	NLPH	0.41	198.75	—	190	—	—	4	total BTEX	—	—
	07/26/89	NLPH	1.54	197.62	—	71	—	—	1	total BTEX	—	—
	10/24/89	NLPH	0.99	198.17	—	120	—	—	ND	total BTEX	—	—
	01/26/90	NLPH	1.01	198.15	—	110	—	—	2	total BTEX	—	—
	04/19/90	NLPH	1.29	197.87	—	95	—	—	19	<0.3	<0.3	<0.6
	07/26/90	—	—	—	—	620	—	—	76	0.9	1.0	2
	10/11/90	—	—	—	—	1,600	—	—	0.8	0.6	<0.5	<0.5
	04/23/91	—	—	—	—	96	—	—	<0.5	<0.5	<0.5	<0.5
	07/25/91	—	—	—	—	98	—	—	0.6	<0.5	<0.5	<0.5
	10/03/91	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/20/92	—	—	—	—	<50	—	—	0.6	<0.5	<0.5	<0.5
	04/30/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	11/02/92	—	—	—	—	190	—	—	3.7	<0.5	0.8	1.6
	12/07/92	—	—	—	—	<50	—	—	1.9	<0.5	<0.5	1.4
	03/29/93	—	—	—	—	<50	—	—	1.6	<0.5	1.3	1.8
	06/16/93	—	—	—	—	—	—	—	—	—	—	—
	07/26/93	—	—	—	—	<50	—	—	0.79	<0.5	<0.5	<0.5
	01/19/94	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/25/94	—	—	—	—	<50	—	—	1.5	1.0	<0.5	0.70
	01/26/95	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 8 of 15)

Well ID #	Sampling	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE (8015-8021B)	MTBE (8026B)	B	T	E	X
(TOC)	Date		<----feet----->		<----->			g/L				
MW8 (cont.)	07/26/95	—	—	—	450	<50	14000d	—	<0.5	<0.5	<0.5	<0.5
(199.14)	01/18/96	—	—	—	—	<50	—	—	<.5	<.5	<.5	<.5
	01/16/97	NLPH	1.07	198.09	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	04/21/97	NLPH	1.10	198.06	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	07/09/97	NLPH	1.81	197.35	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	10/27/97	NLPH	1.55	197.61	—	—	—	—	—	—	—	—
	03/25/98	NLPH	0.14	199.02	—	<50	—	<2.0	<0.5	<0.5	<0.5	<0.5
	06/11/98	NLPH	0.30	198.86	—	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	09/10/98	NLPH	0.93	198.21	54	<50	14	—	<0.5	<0.5	<0.5	<0.5
	12/15/98	NLPH	0.75	198.39	<50	<50	15	—	<0.5	<0.5	<0.5	<0.5
	03/09/99	NLPH	0.22	198.92	61	<50	19	—	<0.5	<0.5	<0.5	<0.5
	06/28/99	NLPH	0.75	198.39	959	<50	13.4	—	<0.5	<0.5	<0.5	<0.5
	09/21/99	NLPH	0.97	198.17	172b	<50	22.3	—	<0.5	<0.5	<0.5	<0.5
	12/27/99	NLPH	1.10	198.04	<50	<50	53	—	<0.5	<0.5	<0.5	<0.5
	03/27/00	NLPH	0.39	198.75	<250	<50	41	—	<0.5	<0.5	<0.5	<0.5
	06/13/00	NLPH	0.68	198.46	<50	<50	61	53	<0.5	<0.5	<0.5	<0.5
	06/16/00	Property transferred to Valdro Refining Company										
	09/21/00	NLPH	0.94	198.20	<50	<50	150	120	<0.5	<0.5	<0.5	<0.5
	12/27/00	NLPH	1.11	198.03	74e	<50	240	200	<0.5	<0.5	<0.5	<0.5
	03/26/01	NLPH	0.65	198.49	<50	<50	210	220	<0.5	<0.5	<0.5	<0.5
	06/29/01	NLPH	0.88	198.26	55	<50	450	260	<0.5	<0.5	<0.5	<0.5
	09/24/01	NLPH	1.39	197.75	<50	<50	900	1,200	<2.5	<2.5	<2.5	<2.5
	11/1/2001	Well surveyed in compliance with AB 2886 requirements.										
	12/26/01	NLPH	1.42	197.72	<50	<50	790	730	<0.5	<0.5	<0.5	<0.5
	03/26/02	NLPH	0.61	198.53	<50.0	378	447	562	<0.50	<0.50	<0.50	<0.50
	06/24/02	NLPH	0.72	198.42	<51 k	323	404	327	<0.5	<0.5	<0.5	<0.5
	09/23/02	NLPH	0.91	198.23	57	349	476	529	<0.5	<0.5	<0.5	<0.5
	12/31/02	NLPH	2.32	196.82	<50	395	427	550	<0.5	<0.5	<0.5	<0.5
	03/28/03	NLPH	0.53	198.61	<50	285	323	256	<0.50	<0.5	<0.5	<0.5
	06/05/03	NLPH	0.46	198.68	<50n	191	187	333	<0.50	<0.5	<0.5	<0.5
	09/09/03	NLPH	0.76	198.38	<50	186	220	254	<0.50	<0.5	<0.5	<0.5
	12/01/04	NLPH	0.60	198.54	—	---	—	—	—	—	—	—
	12/02/03	—	—	—	n	155	222	231	<0.50	<0.5	<0.5	<0.5
	03/23/04	NLPH	0.70	198.44	<50p	53.1	—	128	<0.50	0.5	<0.5	<0.5
	06/16/04	NLPH	0.90	198.24	51	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	09/15/04r	NLPH	1.10	198.04	<50	132	—	128	<0.50	<0.5	<0.5	<0.5
	12/15/04	NLPH	0.84	198.30	<50	75.4	—	116	<0.50	<0.5	<0.5	<0.5
	03/16/05	NLPH	0.61	198.53	<50	68.1	—	69.7	<0.50	<0.5	<0.5	<0.5
MW9	08/12/88	—	—	—	—	5.0	—	—	—	—	—	—
(203.19)	09/02/88	NLPH	3.24	199.75	—	—	—	—	—	—	—	—
	01/26/89	NLPH	5.16	198.03	—	—	ND	—	—	ND	ND	ND
	03/27/89	NLPH	3.31	199.88	—	—	—	—	—	—	—	—
	04/25/89	NLPH	4.11	199.08	—	—	ND	—	—	ND	ND	ND
	07/26/89	NLPH	5.13	198.06	—	—	ND	—	—	ND	ND	ND
	10/24/89	NLPH	4.51	198.68	—	—	ND	—	—	ND	ND	ND
	12/18/89	NLPH	4.95	198.24	—	—	—	—	—	—	—	—
	01/26/90	NLPH	4.45	198.74	—	—	ND	—	—	ND	ND	ND
	02/18/90	NLPH	4.01	199.18	—	—	—	—	—	—	—	—
	03/13/90	NLPH	4.18	199.01	—	—	—	—	—	—	—	—
	04/19/90	NLPH	4.87	198.32	—	—	ND	—	—	ND	ND	ND
	07/26/90	—	—	—	—	<1	—	—	<0.3	<0.3	<0.3	<0.6
	10/11/90	—	—	—	—	<1	—	—	<0.3	<0.3	<0.3	<0.6
	04/23/91	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	07/25/91	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	10/03/91	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/20/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	04/30/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	11/02/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	12/07/92	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	03/29/93	—	—	—	—	<50	—	—	0.7	<0.5	<0.5	<0.5
	06/16/93	—	—	—	—	<50	—	—	<0.5	0.6	<0.5	<0.5
	07/26/93	—	—	—	—	<50	—	—	0.7	1.9	1.1	5.5
	01/16/94	—	—	—	—	<50	—	—	<0.5	0.85	<0.5	2.0
	07/25/94	—	—	—	—	<50	—	—	<0.5	<0.5	<0.5	<0.5
	01/26/95	—	—	—	—	<50	<50	—	<0.5	<0.5	<0.5	<0.5
	07/26/95	—	—	—	—	<50	<50	<10000	—	<0.5	<0.5	<0.5
	01/18/96	—	—	—	—	65	—	—	5.3	2.4	3.1	13
	01/16/97	NLPH	3.44	199.75	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	04/21/97	NLPH	4.10	199.09	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 9 of 15)

Well ID #	Sampling	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE (8015-8021B)	MTBE (8026B)	B	T	E	X
(TOC)	Date		<----feet----->					g/L				
MW9 (cont.)	07/09/97	NLPH	4.50	198.69	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
(203.19)	10/27/97	NLPH	4.45	198.74	—	—	—	—	—	—	—	—
	03/25/98	NLPH	3.06	200.13	—	<50	—	<2.0	<0.5	<0.5	<0.5	<0.5
	06/11/98	NLPH	3.38	199.81	—	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	09/10/98	NLPH	4.14	199	53	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	12/15/98	NLPH	3.80	199.34	—	—	—	—	—	—	—	—
	03/09/99	NLPH	3.06	200.08	—	—	—	—	—	—	—	—
	6/28/99a	NLPH	3.62	199.52	—	—	—	—	—	—	—	—
(203.14)	09/21/99	NLPH	4.10	199.04	<50	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	12/27/99	NLPH	4.51	198.63	—	—	—	—	—	—	—	—
	03/27/00	NLPH	3.47	199.67	—	—	—	—	—	—	—	—
	06/13/00	NLPH	3.91	199.23	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	06/16/00	Property transferred to Valero Refining Company										
	09/21/00	NLPH	4.28	198.86	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	12/27/00	NLPH	4.42	198.72	<50e	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	03/26/01	NLPH	3.85	199.29	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	06/29/01	NLPH	4.20	198.94	57	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	09/24/01	NLPH	4.58	198.56	<60	74	<2	—	<0.5	<0.5	<0.5	<0.5
	11/1/2001	Well surveyed in compliance with AB 2886 requirements.										
(203.13)	12/26/01	NLPH	3.38	199.76	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	03/26/02	NLPH	3.60	199.53	<50.0	<50.0	<2.00	—	<0.50	<0.50	<0.50	<0.50
	06/24/02	NLPH	3.93	199.20	<51 K	<50	<0.5	—	<0.5	<0.5	<0.5	<0.5
	09/23/02	NLPH	3.98	199.15	<50	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	12/31/02	NLPH	3.14	199.99	<50	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	03/28/03	NLPH	3.53	199.60	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	06/05/03	NLPH	3.62	199.51	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	09/09/03	NLPH	3.88	199.25	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	12/02/03	NLPH	4.17	198.96	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	03/23/04	NLPH	3.61	199.52	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	06/16/04	NLPH	4.15	198.98	<50	<50.0	<0.50	—	<0.50	<0.5	<0.5	<0.5
	09/15/04r	NLPH	4.99	198.14	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	12/15/04	NLPH	3.50	199.63	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	03/16/05	NLPH	3.61	199.52	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
MW10	08/12/88	—	—	—	—	53,000	—	—	—	—	—	—
(198.42)	09/02/88	NLPH	4.92	193.5	—	—	—	—	—	—	—	—
	01/26/89	NLPH	2.28	196.14	—	25,000	—	—	8,700	total BTEX	—	—
	03/27/89	NLPH	1.51	196.91	—	—	—	—	—	—	—	—
	04/25/89	NLPH	1.93	196.49	—	28,000	—	—	12,000	total BTEX	—	—
	07/26/89	NLPH	3.54	194.88	—	24,000	—	—	11,000	total BTEX	—	—
	10/24/89	NLPH	1.92	196.50	—	27,000	—	—	9,800	total BTEX	—	—
	12/18/89	NLPH	2.71	195.71	—	—	—	—	—	—	—	—
	01/26/90	NLPH	2.23	196.19	—	22,000	—	—	10,000	total BTEX	—	—
	02/18/90	NLPH	1.01	197.41	—	—	—	—	—	—	—	—
	03/13/90	NLPH	1.76	196.66	—	—	—	—	—	—	—	—
	04/19/90	NLPH	2.59	195.83	—	31,000	—	—	14,490	total BTEX	—	—
	07/26/90	NLPH	2.39	196.03	—	26,000	—	—	4,700	1,400	820	2,400
	10/11/90	NLPH	2.93	195.49	—	30,000	—	—	5,200	1,400	1,000	3,100
	04/23/91	NLPH	1.80	196.62	—	60,000	—	—	9,200	5,400	1,100	4,500
	07/25/91	NLPH	2.88	195.54	—	44,000	—	—	5,700	2,500	1,500	4,400
	10/03/91	NLPH	3.58	194.84	—	46,000	—	—	4,300	2,300	1,400	4,100
	01/20/92	NLPH	2.70	195.72	—	29,000	—	—	4,000	1,500	930	2,700
	04/30/92	NLPH	2.10	196.32	—	77,000	—	—	29,000	31,000	3,000	9,600
	11/02/92	NLPH	2.60	195.82	—	29,000	—	—	3,000	1,500	1,100	3,000
	12/10/92	NLPH	2.75	195.67	—	73,000	—	—	13,000	4,900	2,900	8,300
	03/29/93	NLPH	1.44	196.98	—	38,000	—	—	8,800	2,800	1,600	4,200
	07/26/93	NLPH	2.58	195.84	—	47,000	—	—	5,400	2,000	1,900	4,600
	08/24/93	NLPH	2.75	195.67	—	—	—	—	—	—	—	—
	09/22/93	NLPH	2.82	195.60	—	—	—	—	—	—	—	—
	10/06/93	NLPH	2.99	195.43	—	—	—	—	—	—	—	—
	11/08/93	NLPH	2.68	195.74	—	—	—	—	—	—	—	—
	12/07/93	NLPH	2.02	196.40	—	—	—	—	—	—	—	—
	01/19/94	Sheen	2.10	196.32	—	45,000	—	—	4,900	1,700	1,200	3,600
	07/25/94	NLPH	3.00	195.42	—	31,000	—	—	3,100	1,800	1,400	4,100
	01/26/95	NLPH	1.50	196.92	<500	23,000	—	—	2,500	370	900	1,300
	07/26/95	LPH	2.46	195.96	—	—	—	—	—	—	—	—
	01/18/96	NLPH	1.00	197.42	—	18,000	<600	—	2,900	1,100	1,100	2,400
	01/16/97	—	1.38	197.04	—	—	—	—	—	—	—	—
	04/21/97	NLPH	2.27	196.15	—	25,000	<600	—	4,400	1,500	1,500	2,400
	07/09/97	NLPH	3.12	195.30	—	25,000	<600	—	2,300	980	1,400	3,300

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 10 of 15)

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 11 of 15)

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 12 of 15)

Well ID #	Sampling	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE (8015-8021B)	MTBE (8026B)	B	T	E	X
(TOC)	Date		<----feet---->		<----	g/L						
MW12 (cont.)	06/13/00	NLPH	1.00	197.51	<50	<50	<2	--	<0.5	<0.5	<0.5	<0.5
(198.51)	06/16/00	Property transferred to Valero Refining Company										
	09/21/00	NLPH	1.53	196.98	110	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	12/27/00	NLPH	0.90	197.61	63e	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	03/26/01	NLPH	0.81	197.70	<50	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	06/29/01	NLPH	1.01	197.50	55	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	09/24/01	NLPH	1.52	196.99	<50	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	11/1/2001	Well surveyed in compliance with AB 2886 requirements.										
(198.47)	12/26/01	NLPH	0.59	197.92	<50	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	03/26/02	NLPH	0.68	197.79	<50.0	<50.0	<2.00	--	<0.50	<0.50	<0.50	<0.50
	06/24/02	NLPH	1.51	196.96	86 k	<50	<0.5	--	<0.5	<0.5	<0.5	<0.5
	09/23/02	NLPH	1.70	196.77	69	<50	<0.5	--	<0.5	<0.5	<0.5	<0.5
	12/31/02	NLPH	0.00	198.47	53	<50.0	<0.5	--	<0.5	<0.5	<0.5	<0.5
	03/28/03	NLPH	1.78	196.69	<50	<50.0	<0.5	--	<0.50	<0.5	<0.5	<0.5
	06/05/03	NLPH	0.98	197.49	<50	<50.0	<0.5	--	<0.50	<0.5	<0.5	<0.5
	09/09/03	NLPH	1.13	197.34	<50	<50.0	<0.5	--	<0.50	<0.5	<0.5	<0.5
	12/01/03	NLPH	3.54	194.93	<50	<50.0	<0.5	--	<0.50	<0.5	<0.5	<0.5
	03/23/04	NLPH	1.89	196.58	<50	<50.0	--	<0.50	<0.50	<0.5	<0.5	<0.5
	06/16/04	NLPH	2.27	196.20	<50	<50.0	<0.5	--	1.20	<0.5	0.6	1.4
	09/15/04r	NLPH	2.21	196.26	<50	<50.0	--	<0.50	<0.50	<0.5	<0.5	<0.5
	12/15/04	NLPH	1.91	196.56	62i	<50.0	--	<0.50	<0.50	<0.5	<0.5	<0.5
	03/16/05	NLPH	2.01	196.46	<50	<50.0	--	<0.50	<0.50	<0.5	<0.5	<0.5
MW13	04/19/90	NLPH	2.38	195.74	--	ND	--	--	ND	ND	ND	ND
(198.12)	07/26/90	NLPH	--	--	--	<1	--	--	<.3	<.3	<.3	<.6
	10/11/90	NLPH	--	--	--	<1	--	--	<.3	<.3	<.3	<.6
	04/23/91	NLPH	--	--	--	<50	--	--	<.5	<.5	<.5	<.5
	07/25/91	NLPH	--	--	--	<50	--	--	<.5	<.5	<.5	<.5
	10/03/91	NLPH	--	--	--	<50	--	--	<.5	<.5	<.5	<.5
	01/20/92	NLPH	--	--	--	<50	--	--	<.5	<.5	<.5	<.5
	04/30/92	NLPH	--	--	--	<50	--	--	<.5	<.5	<.5	<.5
	11/02/92	--	--	--	--	--	--	--	--	--	--	--
	12/10/92	--	--	--	--	--	--	--	--	--	--	--
	03/29/93	NLPH	--	--	--	<50	--	--	0.8	<.5	<.5	<.5
	06/16/93	--	--	--	--	--	--	--	--	--	--	--
	07/26/93	--	--	--	--	--	--	--	--	--	--	--
	01/19/94	--	--	--	--	--	--	--	--	--	--	--
	07/25/94	--	--	--	--	--	--	--	--	--	--	--
	01/26/95	--	--	--	--	--	--	--	--	--	--	--
	07/26/95	--	--	--	--	--	--	--	--	--	--	--
	01/18/96	--	--	--	--	--	--	--	--	--	--	--
	01/16/97	NLPH	0.61	197.51	--	--	--	--	--	--	--	--
	04/21/97	NLPH	0.68	197.44	--	--	--	--	--	--	--	--
	07/09/97	NLPH	1.58	196.54	--	--	--	--	--	--	--	--
	10/27/97	NLPH	1.29	196.83	--	<50	<30	--	<0.5	<0.5	<0.5	<0.5
	03/25/98	--	--	--	--	--	--	--	--	--	--	--
	06/11/98	NLPH	0.1	198.02	--	<50	<2.5	--	<0.5	<0.5	<0.5	<0.5
	09/10/98	NLPH	1.13	196.99	<50	<50	<2.5	--	<0.5	<0.5	<0.5	<0.5
	12/15/98	NLPH	0.5	197.62	--	--	--	--	--	--	--	--
	03/09/99	NLPH	9	9	--	--	--	--	--	--	--	--
	6/28/99a	NLPH	0.73	197.39	--	--	--	--	--	--	--	--
	09/21/99	NLPH	0.9	197.22	<50	<50	<2.5	--	<0.5	<0.5	<0.5	<0.5
	12/27/99	NLPH	1	197.12	--	--	--	--	--	--	--	--
	03/27/00	NLPH	0.21	197.91	--	--	--	--	--	--	--	--
	06/13/00	NLPH	0.7	197.42	<50	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	06/16/00	Property transferred to Valero Refining Company										
	09/21/00	NLPH	1.11	197.01	<50	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	12/27/00	NLPH	0.91	197.21	60e	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	03/26/01	NLPH	0.31	197.81	<50	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	06/29/01	NLPH	0.84	197.28	59	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	09/24/01	NLPH	1.22	196.90	<50	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	11/1/2001	Well surveyed in compliance with AB 2886 requirements.										
(198.12)	12/26/01	NLPH	0.38	197.74	<50	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	03/26/02	NLPH	0.11	198.01	<50.0	<50.0	<2.00	--	<0.50	<0.50	<0.50	<0.50
	06/24/02	NLPH	0.77	197.35	<52 k	<50	<0.5	--	<0.5	<0.5	<0.5	<0.5
	09/23/02	NLPH	1.04	197.08	87	<50	<0.5	--	<0.5	<0.5	<0.5	<0.5
	12/31/02	NLPH	0.00	198.12	53	<50.0	<0.5	--	<0.5	<0.5	<0.5	<0.5
	03/28/03	NLPH	0.25	197.87	<50	<50.0	<0.5	--	<0.50	<0.5	<0.5	<0.5
	06/05/03	NLPH	0.40	197.72	<50	<50.0	<0.5	--	<0.50	<0.5	<0.5	<0.5
	09/09/03	NLPH	1.20	196.92	<50	<50.0	<0.5	--	<0.50	<0.5	<0.5	<0.5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 13 of 15)

Well ID #	Sampling	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE (8015-8021B)	MTBE (8026B)	B	T	E	X
(TOC)	Date		<----feet----->		<----feet----->		g/L					
MW13 (cont.) (198.12)	12/01/03	NLPH	3.61	194.51	<50	<50.0	<0.5	--	<0.50	<0.5	<0.5	<0.5
	03/23/04	NLPH	0.91	197.21	72	<50.0	--	<0.50	<0.50	<0.5	<0.5	<0.5
	06/16/04	NLPH	1.00	197.12	<50	<50.0	<0.50	--	<0.50	<0.5	<0.5	<0.5
	09/15/04r	s	s	s	<50s	<50.0s	--	<0.50s	<0.50s	<0.5s	<0.5s	<0.5s
	12/15/04	NLPH	6.99	191.13	<50	<50.0	<0.50	--	<0.50	<0.5	<0.5	<0.5
	03/16/05	NLPH	0.93	197.19	<50	<50.0	--	<0.50	<0.50	<0.5	<0.5	<0.5
MW14 (198.37)	04/19/90	NLPH	6.98	191.39	--	ND	--	--	ND	ND	ND	ND
	07/26/90	NLPH	--	--	--	ND	--	--	ND	ND	ND	ND
	10/11/90	NLPH	--	--	--	<1.0	--	--	<0.3	<0.3	<0.3	<0.6
	04/23/91	NLPH	--	--	--	<1.0	--	--	<0.3	<0.3	<0.3	<0.6
	07/25/91	NLPH	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<0.5
	10/03/91	NLPH	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<0.5
	01/20/92	NLPH	--	--	--	<50	--	--	1.3	0.9	<0.5	<0.5
	04/30/92	NLPH	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<0.5
	11/02/92	NLPH	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<0.5
	12/10/92	NLPH	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<0.5
	03/29/93	NLPH	--	--	--	<50	--	--	0.6	<0.5	0.8	1.4
	06/16/93	--	--	--	--	--	--	--	--	--	--	--
	07/26/93	NLPH	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<0.5
	01/19/94	NLPH	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<0.5
	07/25/94	NLPH	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<0.5
	01/26/95	NLPH	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<0.5
	07/26/95	NLPH	--	--	--	<50	--	<10,000	<0.5	<0.5	<0.5	<0.5
	01/18/96	NLPH	--	--	--	<50	--	--	1.6	1	1.6	7.5
	01/16/97	NLPH	1.38	196.99	--	<50	<30	--	<0.5	<0.5	<0.5	<0.5
	04/21/97	NLPH	1.98	196.39	--	<50	<30	--	<0.5	<0.5	<0.5	<0.5
	07/09/97	NLPH	2.69	195.68	--	<50	<30	--	0.88	1	<0.5	1
	10/27/97	NLPH	3.12	195.25	--	--	--	--	--	--	--	--
	03/25/98	--	--	--	--	--	--	--	--	--	--	--
	06/11/98	NLPH	1.63	196.74	--	<50	<2.5	--	<0.5	<0.5	<0.5	<0.5
	09/10/98	NLPH	2.47	195.9	<50	<50	<2.5	--	<0.5	<0.5	<0.5	0.78
	12/15/98	NLPH	1.81	196.56	--	--	--	--	--	--	--	--
	03/09/99	NLPH	1.26	197.11	--	--	--	--	--	--	--	--
	6/28/99a	NLPH	2.62	195.75	--	--	--	--	--	--	--	--
	09/21/99	NLPH	2.64	195.73	<50	<50	<2.5	--	<0.5	<0.5	<0.5	<0.5
	12/27/99	NLPH	2.62	195.75	--	--	--	--	--	--	--	--
	03/27/00	NLPH	2.01	196.36	--	--	--	--	--	--	--	--
	06/13/00	NLPH	2.22	196.15	<50	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	06/16/00	Property transferred to Valero Refining Company										
	09/21/00	NLPH	2.41	195.96	<50	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	12/27/00	NLPH	3.14	195.23	61 F691f	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	03/26/01	NLPH	2.65	195.72	<50	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	06/29/01	NLPH	2.63	195.74	68	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	09/24/01	NLPH	4.30	194.07	<50	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	11/1/2001	Well surveyed in compliance with AB 2886 requirements.										
	12/26/01	NLPH	2.81	195.56	<50	<50	<2	--	<0.5	<0.5	<0.5	<0.5
	03/26/02	NLPH	2.32	196.06	<50.0	<50.0	<2.00	--	<0.50	<0.50	<0.50	<0.50
	06/24/02	NLPH	3.11	195.27	<52 k	<50	<0.5	--	<0.5	<0.5	<0.5	<0.5
	09/23/02	NLPH	3.07	195.31	51	<50	<0.5	--	<0.5	<0.5	<0.5	<0.5
	12/31/02	NLPH	1.59	196.79	<50	<50.0	<0.5	--	<0.5	<0.5	<0.5	<0.5
	03/28/03	NLPH	1.99	196.39	<50	<50.0	<0.5	--	<0.50	<0.5	<0.5	<0.5
	06/05/03	NLPH	2.21	196.17	<50	<50.0	<0.5	--	<0.50	<0.5	<0.5	<0.5
	09/09/03	NLPH	3.34	195.04	<50	<60.0	<0.5	--	<0.50	<0.5	<0.5	<0.5
	12/01/03	NLPH	3.10	195.28	<50	<50.0	<0.5	--	<0.50	<0.5	<0.5	<0.5
	03/23/04	NLPH	1.93	196.45	<50	<50.0	--	<0.50	<0.50	<0.5	<0.5	<0.5
	06/16/04	NLPH	2.21	196.17	<50	<50.0	<0.5	--	<0.50	<0.5	<0.5	<0.5
	09/15/04r	NLPH	3.27	195.11	<50	<50.0	--	<0.50	0.60	<0.5	1.2	1.1
	12/15/04	NLPH	8.60	189.78	<50	<50.0	--	<0.50	<0.50	<0.5	0.6	1.6
	03/16/05	NLPH	8.39	189.99	<50	<50.0	--	<0.50	1.40	1.2	2.3	2.0
MW15 (197.52)	06/13/00	NLPH	1.61	195.91	<50	<50	45/37f	37	1.5	2.4	0.51	1
	06/16/00	Property transferred to Valero Refining Company										
	09/21/00	NLPH	2.4	195.12	<50	63	100	86	5.6	3.7	3.8	12.9
	12/27/00	NLPH	2.99	194.53	93e	<50	120	94	0.64	<0.5	<0.5	<0.5
	03/26/01	NLPH	2.17	195.35	<50	<50	330	370	3.6	<0.5	1.9	0.64
	06/29/01	NLPH	1.69	195.83	<50	<50	460	320	<0.5	<0.5	<0.5	<0.5
	09/24/01	NLPH	2.77	194.75	<50	<50	850	1,000	<0.5	<0.5	<0.5	<0.5
	11/1/2001	Well surveyed in compliance with AB 2886 requirements.										
	12/26/01	NLPH	2.51	195.01	<50	<50	2,400	2,700	4.9	0.78	4.4	4.9
	03/26/02	NLPH	1.11	196.41	<50.0	1,020	2,340	3,960	24.3	3.70	17.4	14.3
	06/24/02	NLPH	1.51	196.01	97 k	1,300	2,240	2,100	<0.5	<0.5	<0.5	<0.5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 14 of 15)

Well ID #	Sampling	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE (8015-8021B)	MTBE (8026B)	B	T	E	X
(TOC)	Date		<----feet----->		<----->		g/L					
MW15 (cont.) (197.52)	09/23/02	NLPH	1.15	196.37	62	1,460	1,760	2,260	1.5	1.1	4.8	5.3
	12/31/02	NLPH	0.60	196.92	351	747	787	936	4.4	2.7	4.5	7.0
	03/28/03	NLPH	1.55	195.97	<50	415	397	332	5.30	3.1	4.6	6.3
	06/05/03	NLPH	0.89	196.63	<50m	219	117	334	<0.50	<0.5	<0.5	<0.5
	09/09/03	NLPH	1.81	195.71	<50	114	126	131	<0.50	<0.5	<0.5	<0.5
	12/01/03	NLPH	0.60	196.92	<50	67.6	38.1	36.7	1.40	1.2	3.2	6.7
	03/23/04	NLPH	2.10	195.42	<50	<50.0	—	67.8	<0.50	<0.5	<0.5	<0.5
	06/16/04	NLPH	1.14	196.38	<50	66.3	54.0	58.7	<0.50	0.7	0.7	1.8
	09/15/04r	NLPH	2.76	194.76	<50	<50.0	—	33.2	<0.50	<0.5	<0.5	<0.5
	12/15/04	NLPH	1.37	196.15	52i	<50.0	—	13.6	1.20	<0.5	0.9	0.8
	03/16/05	NLPH	1.97	195.55	<50	94.6	—	19.0	2.80	2.0	3.6	4.1
RW1 (198.86)	1/16/97	RW1 not sampled 1/16/97 to date. No previous analytical data available.										
	11/1/2001	Well surveyed in compliance with AB 2886 requirements.										
MW16 (201.29)	10/20/03	Well surveyed in compliance with AB 2886 requirements.										
	12/01/03	NLPH	1.89	199.4	—	—	—	—	—	—	—	—
	12/02/03	—	—	—	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	03/23/04	NLPH	7.34	193.95	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	06/16/04	NLPH	1.88	199.41	64	<50.0	<0.5	—	1.20	<0.5	0.5	1.7
	09/15/04r	NLPH	2.12	199.17	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	12/15/04	NLPH	2.30	198.99	88i	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	03/16/05	NLPH	1.24	200.05	<50	<50.0	1	<0.50	<0.50	<0.5	<0.5	1.2
MW17 (200.34)	10/20/03	Well surveyed in compliance with AB 2886 requirements.										
	12/01/03	NLPH	2.51	197.83	—	—	—	—	—	—	—	—
	12/02/03	—	—	—	<50	<50.0	1.7	1.80	<0.50	<0.5	<0.5	<0.5
	03/23/04	NLPH	0.00	200.34	<50	<50.0	—	2.30	<0.50	<0.5	<0.5	<0.5
	06/16/04	NLPH	0.64	199.70	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	0.9
	09/15/04r	NLPH	1.20	199.14	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	12/15/04	NLPH	0.90	199.44	66i	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	03/16/05	NLPH	0.00	200.34	177	<50.0	—	<0.50	<0.50	<0.5	<0.5	0.9
MW18 (202.15)	11/03/04	Well surveyed in compliance with AB 2886 requirements.										
	11/03/04	NLPH	6.02	196.13	481	<50.0	—	<0.50	0.50	0.8	<0.5	1.4
	12/15/04	NLPH	5.72	196.43	<50	<50.0	—	<0.50	0.50	<0.5	0.7	1.7
	03/16/05	NLPH	5.46	196.69	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 15 of 15)

Notes:	Data prior to First Quarter 1998 provided by previous consultant.
TOC	= Elevation of top of well casing; relative to mean sea level (MSL) in feet.
SUBJ	= Results of subjective evaluation.
NLPH	= No liquid-phase hydrocarbons present in well.
sheen	= Liquid-phase hydrocarbons present as a sheen.
DTW	= Depth to water.
Elev.	= Elevation of groundwater; relative to mean sea level.
TPHd	= Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015B.
TPHg	= Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015B.
MTBE	= Methyl tertiary butyl ether analyzed using EPA Method 8015, 8021B, or 8260B, as noted.
BTEX	= Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
ETBE	= Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	= Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	= Tertiary butyl alcohol analyzed using EPA Method 8260B.
EDB	= 1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	= 1,2-Dichloroethane.
DIPE	= Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	= Ethanol analyzed using EPA Method 8260B.
Methanol	= Methanol analyzed using EPA Method 8015B.
µg/L	= Micrograms per liter.
ND	= Not detected above the laboratory method reporting limit.
<	= Less than the stated laboratory method reporting limit.
--	= Not sampled/Not measured.
a	= Monitoring well sampled on an annual basis.
b	= Laboratory analytical chromatogram pattern: unidentified hydrocarbons C9-C24.
c	= Well inaccessible.
d	= Previous consultant's data deemed suspect by ERI.
e	= Diesel-range hydrocarbons detected in baiter blank; result is suspect.
f	= Analyzed using EPA Method 8260B.
g	= Artesian well.
h	= Estimated value between Method Detection Limit and Practical Quantitation Limit.
i	= Diesel-range hydrocarbons detected; however, laboratory indicates that chromatogram pattern does not resemble diesel fuel.
j	= TOC elevation not measured according to AB 2886. Groundwater elevation not used in calculated groundwater flow direction and hydraulic gradient.
k	= Diesel-range hydrocarbons laboratory control data values outside laboratory historical or method prescribed QC limits.
l	= Surrogate out of range.
m	= DRO extraction outside holding time.
n	= Not analyzed due to breakage.
p	= DRO extraction sample temperature above acceptable range.
q	= No groundwater recharge after purging.
r	= Sampling date on Chain-of-Custody is incorrect. The correct sampling date is shown.
s	= Groundwater elevation data invalidated; analytical results suspect.

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 1 of 4)

Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol	Methanol
MW1	06/22/88 - 10/27/97	Not analyzed for these analytes.							
	03/25/98	<2.0	<2.0	<100	—	—	<2.0	<500	—
	06/11/98 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 -	Property transferred to Valero Refining Company							
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	32.1	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	26.9	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	18.2	<0.50	<0.50	<0.50	<0.50	—
MW2	06/22/88 - 10/27/97	Not analyzed for these analytes.							
	03/25/98	<2.0	<2.0	<100	—	—	<2.0	<500	—
	06/11/98 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 -	Property transferred to Valero Refining Company							
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
MW3	06/22/88 - 10/27/97	Not analyzed for these analytes.							
	03/25/98	<6.7	<6.7	<330	—	—	<6.7	<1,700	ND
	06/11/98 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 -	Property transferred to Valero Refining Company							
	09/26/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	123	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	56.2	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	122	<0.50	<0.50	<0.50	<50.0	—
MW4	06/22/88 - 10/27/97	Not analyzed for these analytes.							
	03/25/98	<2.0	<2.0	<100	—	—	<2.0	<500	—
	06/11/98 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 -	Property transferred to Valero Refining Company							
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
MW5	06/22/88 - 10/27/97	Not analyzed for these analytes.							
	03/25/98	<2.0	<2.0	<100	—	—	<2.0	<500	5,700
	06/11/98 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 -	Property transferred to Valero Refining Company							
	09/26/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	49	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	48.5	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	111	<0.50	<0.50	<0.50	<50.0	—
MW6	06/22/88 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 -	Property transferred to Valero Refining Company							
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	06/16/04	c	c	c	c	c	c	c	c
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 2 of 4)

Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA μg/L	DIPE	Ethanol	Methanol
MW7	08/12/88 - 10/27/97	Not analyzed for these analytes.							
	03/25/98	<2.0	<2.0	<100	—	—	<2.0	<500	—
	06/11/98 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 -	Property transferred to Valero Refining Company							
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	14.4	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
MW8	08/12/88 - 10/27/97	Not analyzed for these analytes.							
	03/25/98	<2.0	<2.0	<100	—	—	<2.0	<500	—
	06/11/98 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 -	Property transferred to Valero Refining Company							
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	16.4	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
MW9	08/12/88 - 10/27/97	Not analyzed for these analytes.							
	03/25/98	<2.0	<2.0	<100	—	—	<2.0	<500	—
	06/11/98 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 -	Property transferred to Valero Refining Company							
	09/21/00 - 12/02/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
MW10	08/12/88 - 06/13/00	Not analyzed for these analytes.							
	06/16/00 -	Property transferred to Valero Refining Company							
	09/21/00 - 03/23/04	Not analyzed for these analytes.							
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	59.5	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	83.9	<0.50	<0.50	<0.50	<50.0	—
MW11	06/27/88 - 06/13/03	Not analyzed for these analytes.							
	06/16/00 -	Property transferred to Valero Refining Company							
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	c	c	c	c	c	c	c	c
	06/16/04	c	c	c	c	c	c	c	c
	09/15/04r	c	c	c	c	c	c	c	c
	12/15/04	c	c	c	c	c	c	c	c
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
MW12	06/27/88 - 06/13/03	Not analyzed for these analytes.							
	06/16/00 -	Property transferred to Valero Refining Company							
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	1.00	<10.0	<0.50	<0.50	<0.50	<50	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
MW13	04/19/90 - 06/13/03	Not analyzed for these analytes.							
	06/16/00 -	Property transferred to Valero Refining Company							
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	59.5	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 3 of 4)

Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA µg/L	DIPE	Ethanol	Methanol
MW14	04/19/90 - 06/13/03	Not analyzed for these analytes.							
	06/16/00	- Property transferred to Valero Refining Company							
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
MW15	06/13/00	—	—	—	—	—	—	—	—
	06/16/00	- Property transferred to Valero Refining Company							
	09/21/00 - 12/01/03	Not analyzed for these analytes.							
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
RW1	01/16/97 - 09/15/04	Not analyzed for these analytes. No previous analytical data available.							
	12/15/04	<0.50	<0.50	59.5	<0.50	<0.50	<0.50	<50.0	<10,000
MW16	12/01/03	—	—	—	—	—	—	—	—
	12/02/03	—	—	—	—	—	—	—	—
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
MW17	12/01/03	—	—	—	—	—	—	—	—
	12/02/03	—	—	—	—	—	—	—	—
	03/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—
	06/16/04	—	—	—	—	—	—	<50.0	—
	09/15/04r	—	—	—	—	—	—	—	—
	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—
MW18	12/15/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	<10,000
	03/16/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 4 of 4)

Notes:	Data prior to First Quarter 1998 provided by previous consultant.
TOC	= Elevation of top of well casing; relative to mean sea level (MSL) in feet.
SUBJ	= Results of subjective evaluation.
NLPH	= No liquid-phase hydrocarbons present in well.
sheen	= Liquid-phase hydrocarbons present as a sheen.
DTW	= Depth to water.
Elev.	= Elevation of groundwater; relative to mean sea level.
TPHd	= Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015B.
TPHg	= Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015B.
MTBE	= Methyl tertiary butyl ether analyzed using EPA Method 8015, 8021B, or 8260B, as noted.
BTEX	= Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
ETBE	= Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	= Teriary amyl methyl ether analyzed using EPA Method 8260B.
TBA	= Tertiary butyl alcohol analyzed using EPA Method 8260B.
EDB	= 1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	= 1,2-Dichloroethane.
DIPE	= Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	= Ethanol analyzed using EPA Method 8260B.
Methanol	= Methanol analyzed using EPA Method 8015B.
µg/L	= Micrograms per liter.
ND	= Not detected above the laboratory method reporting limit.
<	= Less than the stated laboratory method reporting limit.
—	= Not sampled/Not measured.
a	= Monitoring well sampled on an annual basis.
b	= Laboratory analytical chromatogram pattern: unidentified hydrocarbons C9-C24.
c	= Well inaccessible.
d	= Previous consultant's data deemed suspect by ERI.
e	= Diesel-range hydrocarbons detected in bailer blank; result is suspect.
f	= Analyzed using EPA Method 8260B.
g	= Artesian well.
h	= Estimated value between Method Detection Limit and Practical Quantitation Limit.
i	= Diesel-range hydrocarbons detected; however, laboratory indicates that chromatogram pattern does not resemble diesel fuel.
j	= TOC elevation not measured according to AB 2886. Groundwater elevation not used in calculated groundwater flow direction and hydraulic gradient.
k	= Diesel-range hydrocarbons laboratory control data values outside laboratory historical or method prescribed QC limits.
l	= Surrogate out of range.
m	= DRO extraction outside holding time.
o	= Not analyzed due to breakage.
p	= DRO extraction sample temperature above acceptable range.
q	= No groundwater recharge after purging.
r	= Sampling date on Chain-of-Custody is incorrect. The correct sampling date is shown.
s	= Groundwater elevation data invalidated; analytical results suspect.

TABLE 2A
CUMULATIVE SOIL SAMPLING DATA
 Former Exxon Service Station 7-0276
 1400 Farmers Lane
 Santa Rosa, California
 (Page 1 of 3)

TABLE 2A
CUMULATIVE SOIL SAMPLING DATA

TABLE 2A
CUMULATIVE SOIL SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 3 of 3)

Sample ID	Sample Date	Sample Depth feet bgs.	TPH	Motor Oil	TPHd	TPHg	MTBE	B	T	E	X	Total BTEX
mg/Kg												
GP2-10	10/22/01	10	—	—	<5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	—
GP2-15	10/22/01	15	—	—	<5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	—
GP3-5	10/23/01	5	—	—	<5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	—
GP4-5	10/23/01	5	—	—	<5.0	<1.0	<0.0050	0.013/0.061a	<0.0050	<0.0050	<0.0050	—
GP4-20	10/24/01	20	—	—	<5.0	<1.0	<0.0050	<0.0050/0.0068a	<0.0050	<0.0050	<0.0050	<0.0050/0.0068a
GP5-4	10/23/01	4	—	—	120b	1,400	<0.0050	4.4/1.0ae	27/2.2ae	17/2.6ae	84/9.1ae	—
GP5-4f	10/23/01	4	—	—	—	—	<5.0	10a	56a	32a	176a	—
GP5-5	10/23/01	5	—	<10	61c	350	<0.0050	0.57/1.1ae	4.5/2.0ae	3.8/1.9ae	21/6.5ae	—
GP5-5f	10/23/01	5	—	—	—	—	<5.0	<5.0a	26a	20a	104a	—
GP6-5	10/23/01	5	—	—	<5.0	<1.0	<0.0050	0.005/0.22ae	<0.0050/0.056ae	0.0066/0.18ae	0.013/0.0366ae	—
GP6-5f	10/23/01	5	—	—	—	—	<0.0050	0.169	0.037a	0.16a	0.25a	—
GP7-1	10/24/01	1	—	55	7.5d	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	—
GP7-13	10/24/01	13	—	—	<5.0	<1.0	0.23e/0.24	<0.0050	<0.0050	<0.0050	<0.0050	—
GP8-1	10/25/01	1	—	—	<5.0	<1.0	0.38e/0.37	<0.0050	<0.0050	<0.0050	<0.0050	—
GP8-10	10/25/01	10	—	—	<5.0	<1.0	0.30e/0.36	<0.0050	<0.0050	<0.0050	<0.0050	—
GP8-15	10/25/01	15	—	—	<5.0	<1.0	0.54e/0.70	<0.0050	<0.0050	<0.0050	<0.0050	—
GP8-20	10/25/01	20	—	—	<5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	—

Notes:

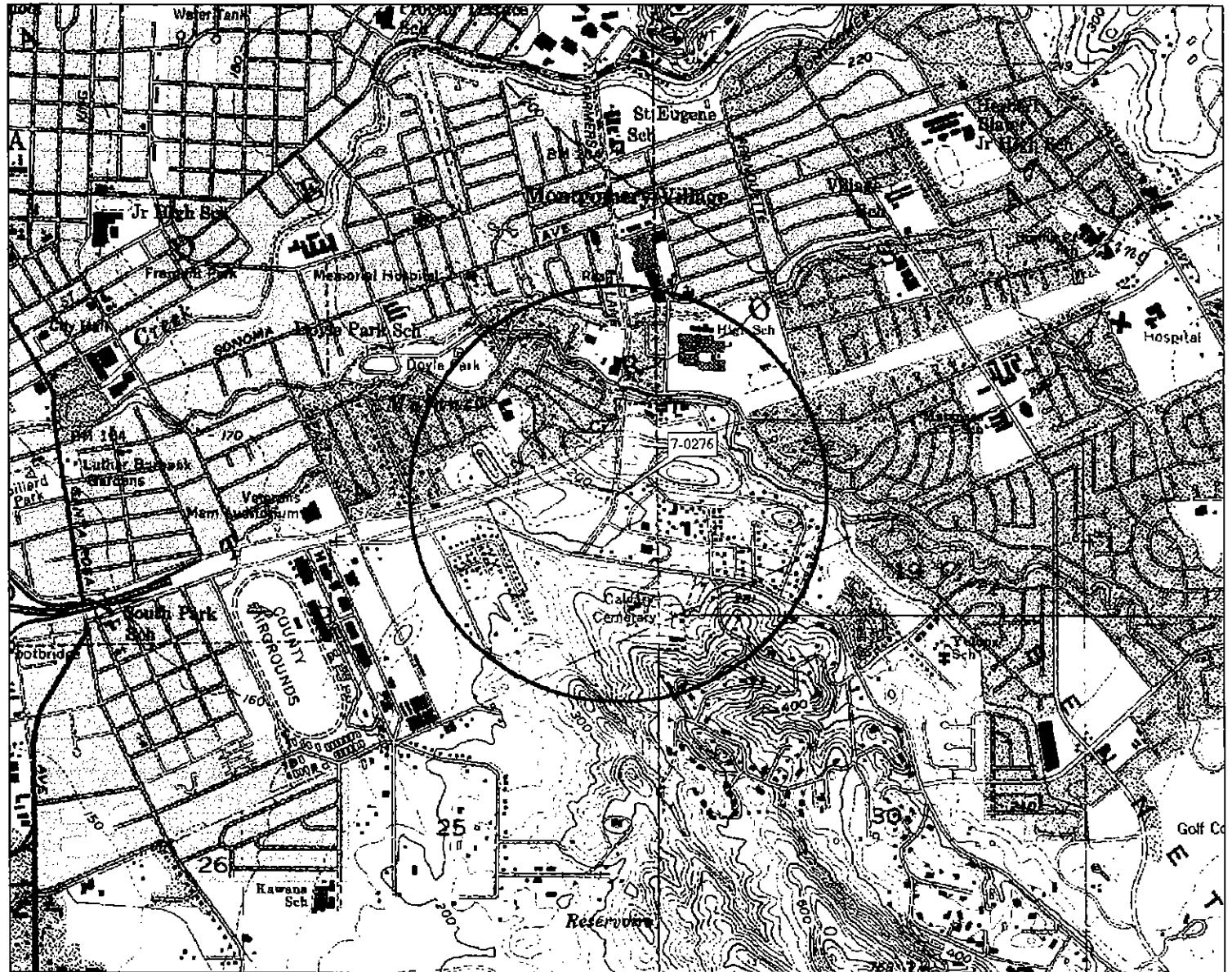
- mg/Kg = Milligrams per kilogram.
- TPH = Total petroleum hydrocarbons.
- Motor Oil = Motor oil analyzed using EPA Method 8015M.
- TPHd = Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015M.
- TPHg = Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015M.
- MTBE = MTBE analyzed using EPA Method 8260B.
- Total BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8020.
- < = Less than the stated laboratory method reporting limit.
- ND = Not detected at or above laboratory reporting limit.
- = Not sampled.
- bgs = Below ground surface.
- a = BTEX analyzed using EPA Method 8260B.
- b = Detected results for Diesel Range Organics, however Laboratory indicates that chromatogram patterns do not resemble a diesel pattern.
- c = Detected results for Diesel Range Organics, however Laboratory indicates that chromatogram patterns do not resemble a diesel pattern. The pattern most closely resembles gasoline.
- d = Detected results for Diesel Range Organics, however Laboratory indicates that chromatogram patterns do not resemble a diesel pattern. The pattern most closely resembles that of a heavier hydrocarbon mix, most probably motor oil.
- e = The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
- f = Sample was re-run as MSL for over range compounds past holding time.

TABLE 2B
ADDITIONAL CUMULATIVE SOIL SAMPLING DATA
Former Exxon Service Station 7-0276
1400 Farmers Lane
Santa Rosa, California
(Page 1 of 1)

Sample ID	Sample Date	Sample Depth (feet bgs)	TAME (mg/Kg)	ETBE (mg/Kg)	DIPE (mg/Kg)	.TBA (mg/Kg)	1,2-DCA (mg/Kg)	EDB (mg/Kg)	Bromo-methane (mg/Kg)	2-Butanone (mg/Kg)	Naphthalene (mg/Kg)	1,2,4-Trimethylbenzene (mg/Kg)	1,3,5-Trimethylbenzene (mg/Kg)	1,2,4-Trichlorobenzene (mg/Kg)	Isopropyl-bezene (mg/Kg)	n-Propyl-bezene (mg/Kg)	Acetone (mg/Kg)
GP1-7	10/22/01	7	<0.0050	<0.0050	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
GP2-10	10/22/01	10	<0.0050	<0.0050	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
GP2-15	10/22/01	15	<0.0050	<0.0050	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
GP3-5	10/23/01	5	<0.0050	<0.0050	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
GP4-5	10/23/01	5	<0.0050	<0.0050	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
GP4-20	10/24/01	20	<0.0050	<0.0050	<0.0050	<0.10	<0.0050	<0.0050	0.0054	<0.010	0.015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
GP5-4	10/23/01	4	<0.0050	<0.0050	<0.0050	<0.10	<0.0050	<0.0050	0.0055	<0.010	1.1a	3.2a	1.8a	<0.0050	0.65a	1.1a	4.0a
GP5-4b	10/23/01	4	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<10	13	83	26	<5.0	<5.0	12	<50
GP5-5	10/23/01	5	<0.0050	<0.0050	<0.0050	<0.10	<0.0050	<0.0050	0.0056	<0.010	1.5a	1.7a	1.0a	<0.0050	0.30a	0.62a	<0.050
GP5-5b	10/23/01	5	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<10	8.3	49	15	<5.0	<5.0	7.3	<50
GP6-5	10/23/01	5	<0.0050	<0.0050	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	0.018	0.13	0.19	0.015	<0.0050	0.011	0.025	0.054
GP6-5b	10/23/01	5	<0.0050	<0.0050	<0.0050	<0.10	<0.0050	<0.0050	0.0053	0.015	0.052	0.14	0.0090	<0.0050	0.010	0.021	<0.050
GP7-1	10/24/01	1	<0.0050	<0.0050	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	0.019	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.13
GP7-13	10/24/01	13	<0.0050	<0.0050	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
GP8-1	10/25/01	1	<0.0050	<0.0050	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
GP8-10	10/25/01	10	<0.0050	<0.0050	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
GP8-15	10/25/01	15	<0.0050	<0.0050	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050
GP8-20	10/25/01	20	<0.0050	<0.0050	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050

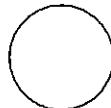
Notes:

- mg/Kg = Milligrams per kilogram.
- TAME = Tertiary amyl methyl ether analyzed using EPA Method 8260B.
- ETBE = Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
- DIPE = Di-isopropyl ether analyzed using EPA Method 8260B.
- TBA = Tertiary butyl alcohol analyzed using EPA Method 8260B.
- 1,2-DCA = 1,2-Dichloroethene analyzed using EPA Method 8260B.
- EDB = Ethylene dibromide analyzed using EPA Method 8260B.
- Bromomethane = Bromomethane analyzed using EPA Method 8260B.
- 2-Butanone = 2-Butanone analyzed using EPA Method 8260B.
- Naphthalene = Naphthalene analyzed using EPA Method 8260B.
- 1,2,4-Trimethylbenzene = 1,2,4-Trimethylbenzene analyzed using EPA Method 8260B.
- 1,3,5-Trimethylbenzene = 1,3,5-Trimethylbenzene analyzed using EPA Method 8260B.
- 1,2,4-Trichlorobenzene = 1,2,4-Trichlorobenzene analyzed using EPA Method 8260B.
- Isopropylbezene = Isopropylbezene analyzed using EPA Method 8260B.
- n-Propylbezene = n-Propylbezene analyzed using EPA Method 8260B.
- Acetone = Acetone analyzed using EPA Method 8260B.
- < = Less than the stated laboratory method reporting limit.
- = Not sampled.
- bgs = Below ground surface.
- a = The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
- b = Sample was re-run as MLS for over range compounds past holding time.



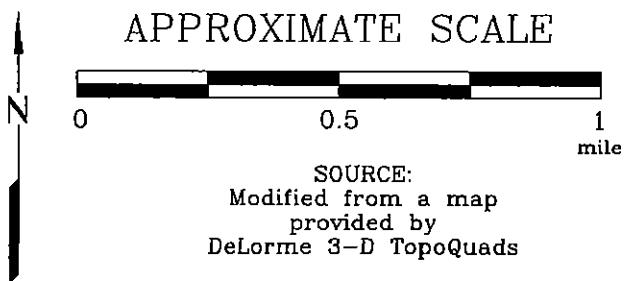
2034Topo

EXPLANATION



1/2-mile radius circle

APPROXIMATE SCALE



SOURCE:
Modified from a map
provided by
DeLorme 3-D TopoQuads



SITE VICINITY MAP

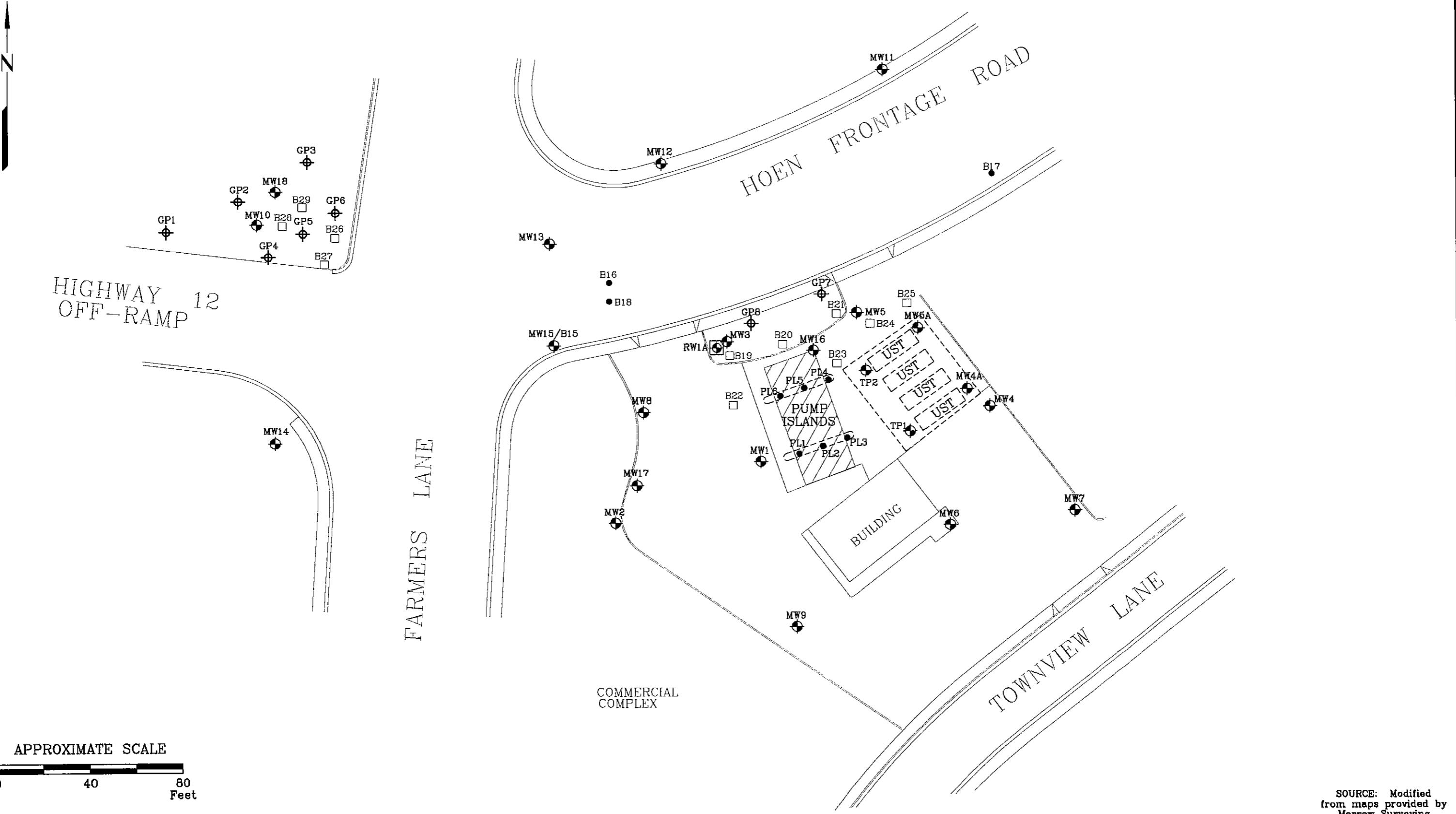
FORMER EXXON SERVICE STATION 7-0276
1400 Farmers Lane
Santa Rosa, California

PROJECT NO.

2034

PLATE

1



GENERALIZED SITE PLAN

FORMER
EXXON SERVICE STATION 7-0276
1400 Farmers Lane
Santa Rosa, California

EXPLANATION

MW18	Groundwater Monitoring Well
GP8	Geoprobe
PL6	Product Line Boring
B29	Proposed Hand-Auger

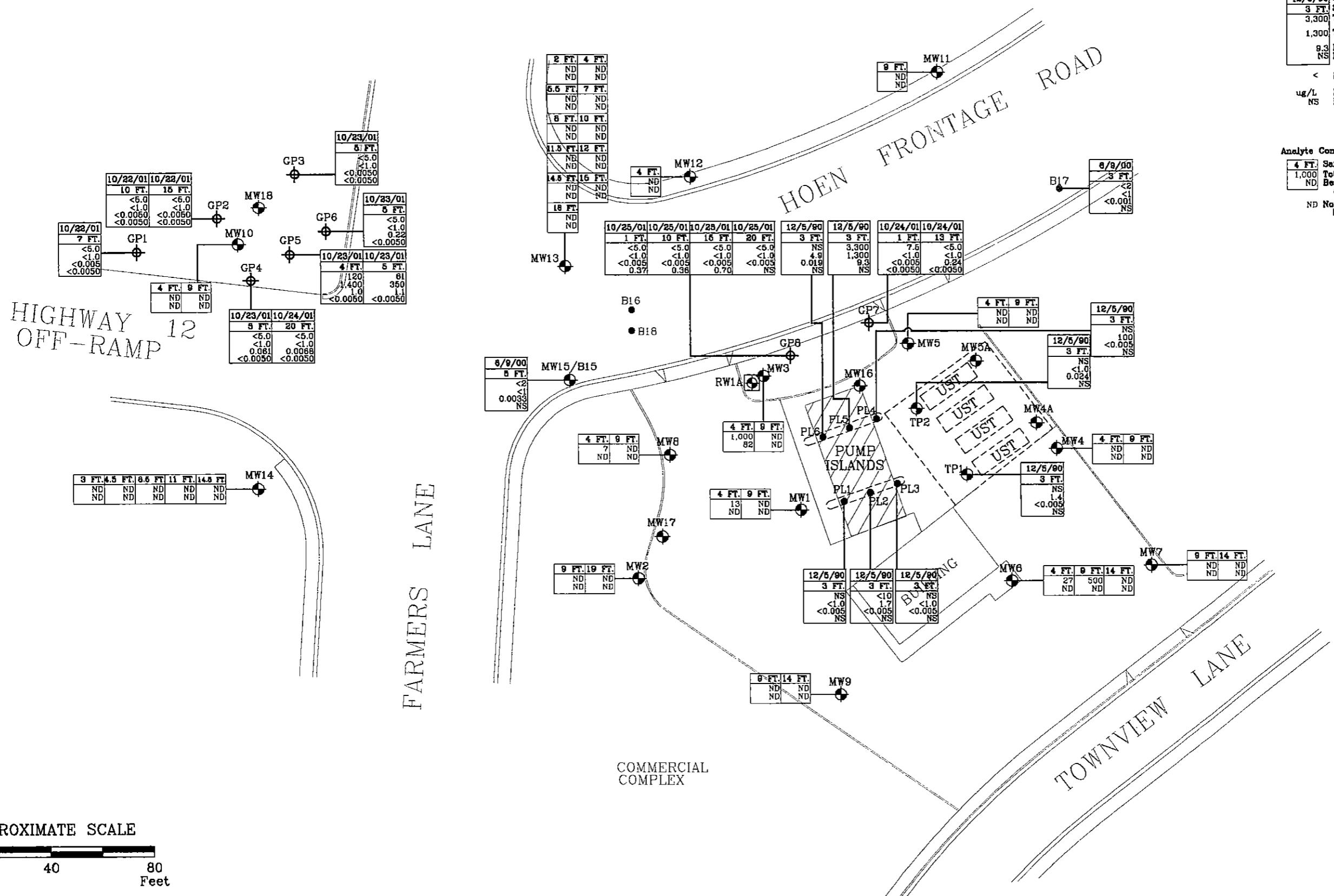
RW1 Recovery Well
TP2 Tank Pit Well

B18 Soil Boring

B29 Proposed Hand-Auger

PROJECT NO.
2034

PLATE
2



SOURCE: Modified
from maps provided by
Morrow Surveying

RESIDUAL HYDROCARBON CONCENTRATIONS

FORMER
EXXON SERVICE STATION 7-0276
1400 Farmers Lane
Santa Rosa, California



EXPLANATION

MW18 Groundwater Monitoring Well

GP8
 Geoprobe

RW1 Recovery Well

B18
Soil Boring

PL6
● Product Line Boring

PROJECT NO.

PLATE
3

ATTACHMENT A

REGULATORY CORRESPONDENCE



California Regional Water Quality Control Board
North Coast Region
Beverly Wasson, Chairman



Alan C. Lloyd, Ph.D.
Agency Secretary

<http://www.waterboards.ca.gov/northcoast>
5550 Skylane Boulevard, Suite A, Santa Rosa, California 95403
Phone: 1 (877) 721-9203 (toll free) • Office: (707) 576-2220 • FAX: (707) 523-0135

Arnold
Schwarzenegger
Governor

February 16, 2005

REC'D
FEB 22 2005
BY: _____

Jennifer C. Sedlachek, Project Manager
ExxonMobil Refining and Supply Company
4096 Piedmont Avenue #194
Oakland, California 94611

Dear Ms. Sedlachek:

Subject: Request for Corrective Action Plan
File: Texaco (Farmers Lane, 1400), 1400 Farmers Lane, Santa Rosa;
Case No. 1TSR069

Regional Water Board staff has reviewed the January 28, 2005 Correction Action Plan (CAP) prepared by Environmental Resolutions Inc. for 1400 Farmers Lane in Santa Rosa. We have the following comments regarding the CAP:

- The chemicals of concern identified at this site are benzene, toluene, ethyl benzene, xylenes, methyl tertiary butyl ether, and total petroleum hydrocarbons quantified as both gasoline (TPH-g) and diesel (TPH-d). Although several remedial alternatives for achieving water quality objectives are evaluated in the CAP, TPH-G and TPH-D were not and must be considered in the assessment.
- The CAP indicates in Table 3, Comparison of Representative Concentrations to Groundwater Cleanup Goals, that cleanup objectives for toluene, TPH-G, and TPH-D are not applicable. We note that water quality objectives do exist for these constituents of concern. Please refer to the enclosed table of water quality objectives (Enclosure).
- Environmental Resolutions Inc. proposes Monitored Natural Attenuation (MNA) as an appropriate remedial technology for achieving water quality objectives at the site and estimates that thirty years would be needed for MNA to achieve water quality objectives for benzene in the area of monitoring well MW-10 and MW-18.

The site is located within ½ mile of the City of Santa Rosa Farmers Lane Wells, which are currently being converted from standby to full time active status. Because a high rate of groundwater usage in the area is anticipated by these wells, thirty years is not an acceptable time frame for soil and groundwater remediation at this site

Accordingly, please submit revised FS/CAP within forty-five days of the date of this letter. The FS/CAP must address cleaning up continuing sources of groundwater contamination, controlling contaminant migration in groundwater, and achieving water quality objectives at the site in a reasonable time frame.

California Environmental Protection Agency

Recycled Paper

Ms. Sedlachek

-2-

February 16, 2005

Please contact me at (707) 576-2469 if you have any questions or comments.

Sincerely,

Jim Tischler

Jim Tischler
Environmental Scientist

JAT:clh/021605_Texaco(Farmers)11.let

Enclosure: Water Quality Objectives for Petroleum Constituents of Concern

CC: Santa Rosa Fire Department

Mr. Robert A. Saur, Environmental Resolutions, Inc., 73 Digital Drive, Suite 100,
Novato, CA 94949-5791

Mr. John Anderson, Sonoma County Environmental Health Department

Water Quality Objectives for Petroleum Constituents of Concern

CHEMICAL	BACKGROUND LEVEL	WATER QUALITY OBJECTIVE	CITATION
Petroleum Hydrocarbons (as gasoline)	<50 ug/l	50 ug/l	Taste and odor threshold is 5 ug/l, but detection limit is 50 ug/l and is controlling
Petroleum Hydrocarbons (as diesel)	<50 ug/l	56 ug/l	USEPA health advisory of September 4, 1992, Suggested No Adverse Response Level of 56 ug/l which is applied to narrative TOXICITY water quality objective
Petroleum Hydrocarbons (as motor oil)	<50 ug/l	<50.0 ug/l	U.S. EPA National Ambient Water Quality Criteria, Freshwater Aquatic Life Protection, May 1, 1986. SNARL of 0.1 ug/l to 1.0 ug/l is applied to the narrative TOXICITY objective of the Basin Plan and Oil and Grease criteria of the Basin Plan, but detection limit is 50 ug/l and is controlling
Benzene	<0.5 ug/l	1.0 ug/l	MCL is 1.0 ug/l; USEPA health advisory for cancer risk is 0.7 ug/l applied TOXICITY water quality objective
Toluene	<0.5 ug/l	42 ug/l	USEPA taste and odor threshold, Federal Register 54(97):22064-22138; applied TASTE AND ODOR water quality objective. There is a less stringent CA DHS Action Level of 100 ug/l applied to the TOXICITY water quality objective
Ethyl benzene	<0.5 ug/l	29 ug/l	USEPA taste and odor threshold, Federal Register 54(97):22064-22138; applied TASTE AND ODOR water quality objective; there is a less stringent CA MCL of 580 ug/l.
Xylenes	<0.5 ug/l	17 ug/l	USEPA taste and odor threshold, Federal Register 54(97):22064-22138 ; applied TASTE AND ODOR water quality objective; there is a less stringent CA MCL of 1750 ug/l.
Methyl tertiary butyl ether (MTBE)	<5 ug/l	5 ug/l	The taste & odor threshold for MTBE = 5 ug/l and is the welfare-based secondary MCL
1,2-Dichloroethane	<0.5 ug/l	0.5 ug/l	For protection of domestic supply, Title 22 Section 64444.5

Enclosure

ExxonMobil
Refining & Supply Company
Globa Remediation
4096 Piedmont Avenue #194
Oakland, California 94611
510.547.8196
510.547.8706 Fax
jennifer.c.sedlachek@exxonmobil.com

Jennifer C. Sedlachek
Project Manager



March 22, 2005

Mr. Jim Tischler
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403

RE: Former Exxon RAS #7-0276/1400 Farmers Lane, Santa Rosa, California.

Dear Mr. Tischler:

Attached for your review and comment is a copy of the letter report entitled *Meeting Summary for the March 17, 2005, Meeting at the California Regional Water Quality Control Board, North Coast Region*, dated March 22, 2005, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and summarizes discussion regarding the subject site.

Please call or email me if you would like to extend this document.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely:

A handwritten signature in black ink, appearing to read "Jen Sedlachek".

Jennifer C. Sedlachek
Project Manager

Attachment: ERI's Meeting Summary for the March 17, 2005, Meeting at the California Regional Water Quality Control Board, North Coast Region, dated March 22, 2005.

cc: w/ attachment
Mr. Joseph A. Aldridge, Valero Energy Corporation

w/o attachment
Mr. Robert A. Saur, Environmental Resolutions, Inc.



March 22, 2005
ERI 203403JS.L15

Ms. Jennifer C. Sedlachek
ExxonMobil Refining & Supply - Global Remediation
4096 Piedmont Avenue #194
Oakland, California 94611

Subject: Meeting Summary for the March 16, 2005 Meeting at the California Regional Water Quality Control Board, North Coast Region, Former Exxon Service Station 7-0276, 1400 Farmers Lane, Santa Rosa, California.

Ms. Sedlachek:

At the request of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) attended a meeting at the California Regional Water Quality Control Board, North Coast Region (Regional Board), office on March 16, 2005. The meeting was attended by Mr. Jim Tischler and Mr. David Evans of the Regional Board; Mr. Geoffrey Waterhouse, Mr. James Chappell, and Mr. Robert Saur of ERI; and Ms. Jennifer Sedlachek of ExxonMobil.

Please find below a record of our understanding of our discussions during the meeting.

ExxonMobil will submit a Work Plan to assess the shallow soil and groundwater in the vicinity of the existing underground storage tanks (UTS), fuel dispensers, and off-site groundwater monitoring well MW10. The purpose of the assessment is to evaluate potential primary and secondary sources of petroleum hydrocarbons to groundwater. The Work Plan will propose the collection of shallow soil samples, and will be submitted by April 22, 2005.

ExxonMobil will submit a report documenting the results of the shallow soil and groundwater investigation within 60 days of the completion of the field work. The off-site portion of the assessment will require access from the California Department of Transportation. ERI and ExxonMobil will make every effort to avoid delays associated with obtaining off-site access and will ensure that the Regional Board is informed of any delays or obstruction in the access process. ExxonMobil will submit an Addendum to the Corrective Action Plan (CAP) within 30 days of the submittal of the field investigation report. The CAP addendum will include:

- An analysis of the primary and secondary sources of petroleum hydrocarbons.
- An analysis of the time necessary to achieve the Regional Board groundwater objectives for total petroleum hydrocarbons as diesel (TPHd) and total petroleum hydrocarbons as gasoline (TPHg).
- Detailed analysis of remediation options including, but not limited to:
 - Feasibility of obtaining a discharge permit and utility service (electrical service and sewer service) in the vicinity of off-site groundwater monitoring well MW10 to perform active remediation in this area.
 - An analysis of the feasibility of enhancing natural attenuation by the addition of ozone or other compounds to decrease the proposed time to meet groundwater quality objectives.
 - An analysis of natural attenuation indicators including electron acceptors, nutrients, and by-products.

DOCUMENT DISTRIBUTION

ERI recommends forwarding copies of this report to:

Mr. Jim Tischler
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403

Mr. Joseph A. Aldridge
Valero Energy Corporation
685 West Third Street
Hanford, California 93230

Please call Mr. James F. Chappell, ERI's interim project manager for this site, at (707) 766-2000 with any questions regarding this report.

Sincerely,
Environmental Resolutions, Inc.

COPY
Robert A. Saur

Robert A. Saur
Project Manager

COPY
James F. Chappell
Program Manager

ATTACHMENT B

FIELD PROTOCOL

FIELD PROTOCOL

Site Safety Plan

Field work will be performed by ERI personnel in accordance with a Site Safety Plan developed for the site. This plan describes the basic safety requirements for the subsurface investigation and the drilling of soil borings at the work site. The Site Safety Plan is applicable to personnel and subcontractors of ERI. Personnel at the site are informed of the contents of the Site Safety Plan before work begins. A copy of the Site Safety Plan is kept at the work site and is available for reference by appropriate parties during the work. The ERI geologist will act as the Site Safety Officer.

Hand Augering of Soil Borings

Prior to hand augering of soil borings, ERI will acquire necessary permits from the appropriate agency(ies). ERI will also contact Underground Service Alert (USA) and a private underground utility locator (per ExxonMobil protocol) before drilling to help locate public utility lines at the site. ERI will clear the proposed locations to a depth of approximately 4 or 8 feet (depending on the location), before drilling to reduce the risk of damaging underground structures.

The soil borings will be advanced using a hand auger. The hand auger and sampling equipment will be steam-cleaned before use and between locations to minimize the possibility of crosshole contamination. The rinsate will be containerized and stored on site. ERI will coordinate with ExxonMobil for appropriate disposal of the rinsate.

Hand augering will be performed under the observation of a field geologist, and the earth materials in the boring will be identified using visual and manual methods, and classified as hand augering progresses using the Unified Soil Classification System. The boreholes will be advanced approximately 5 feet bgs.

One soil sample will be collected from each borehole using a sampling tool lined with an acrylic or stainless steel sleeve.

Soil samples will be monitored with a photo-ionization detector (PID), which measures hydrocarbon concentrations in the ambient air or headspace above the soil sample. Field instruments such as the PID are useful for indicating relative levels of hydrocarbon vapors, but do not detect concentrations of hydrocarbons with the same precision as laboratory analyses. Soil samples selected for possible chemical analysis will be sealed promptly with Teflon® tape and plastic caps. The samples will be labeled and placed in iced storage for transport to the laboratory. Chain-of-Custody records will be initiated by the geologist in the field, updated throughout handling of the samples, and sent with the samples to the laboratory. Copies of these records will be in the final report. Cuttings generated during drilling will be placed on plastic sheeting and covered and left at the site. ERI will coordinate with ExxonMobil for the soil to be removed to an appropriate disposal facility.

Grab Groundwater Sample Collection

To facilitate grab groundwater sample collection a temporary slotted PVC casing will be placed into the borehole. Groundwater samples will be collected with a new, disposable Teflon® or polypropylene bailer. The groundwater is carefully poured into selected sample containers (40-milliliter [ml] glass vials and 1,000-ml glass amber bottles). The vials contain hydrochloric acid as a preservative and are filled so as to produce a positive meniscus.

Each vial is sealed with a cap containing a Teflon® septum, and subsequently examined for air bubbles to avoid headspace, which would allow volatilization to occur. The samples are promptly transported in iced storage in a thermally insulated ice chest, accompanied by a Chain-of-Custody record, to a California state-certified laboratory.